



WIBA

Components for the Electrical/Electronics Industry
Terminal Blocks for Rail Mounting
Terminal Strips for Printed Circuit Boards
Terminal Strips for Panel and Chassis Mounting

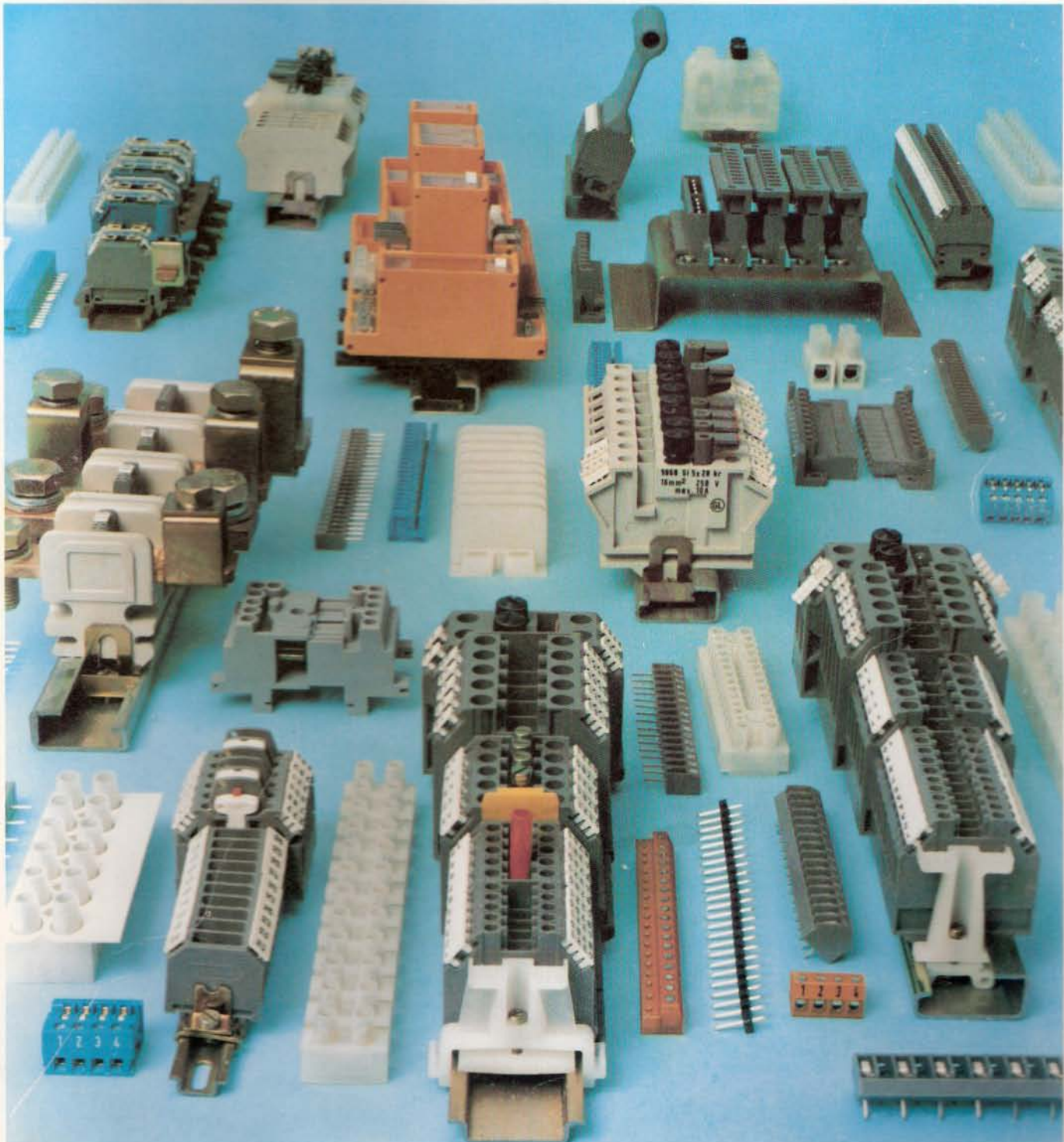


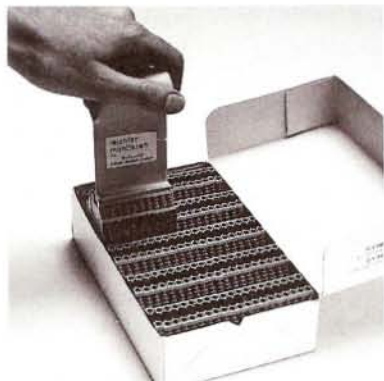
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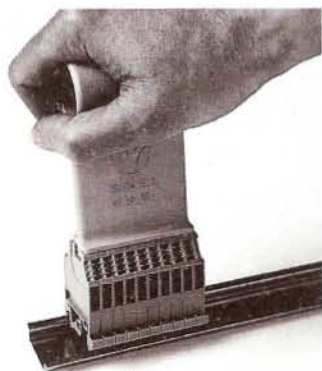
The new WK series — Information and technical data

The design of the WK series incorporates many decades of experience in the field of modular terminal blocks and includes features required both by installers and equipment operators. Some of the outstanding features are given below.



10 Block Packaging

For ease of handling and the use of Rapid Mounting Tools the terminals are packaged in lots of 10, held together with a tape. All terminals face the same direction in the package, allowing fast mounting.



Rapid Mounting Tools

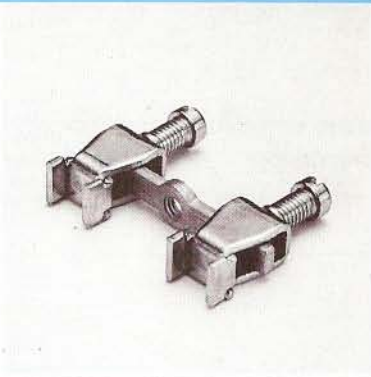
These are available for sizes WK2.5/32, WK4/32 and WK6/32 and allows the mounting of 10 blocks in a single operation. On the average 100 blocks of the above sizes can be mounted in 90 seconds. Mounting tools are available at no charge.

- Mounting tool for WK2.5/32 Cat. No. 05.594.5853
- WK4/32 Cat. No. 05.594.5953
- WK6/32 Cat. No. 05.594.6053

MATERIALS USED

Metal parts	Pressure connector	— Steel, zinc plated and chromated
	Pressure screw	— Steel, zinc plated and chromated
	Current bar	— Copper or brass
	Spring clip	— Steel, zinc plated and chromated
Insulating body	Polyamid 6.6 (High Tracking Resistance Nylon)	
Properties	Dielectric strength	40 kv/mm
	Volume resistivity	$10^{12} \Omega \text{ cm}$
	Surface resistivity	$10^{10} \Omega$
	Dielectric constant	5 at 1 k Hz
	Continuous operating temperature range	-60°C to + 100°C
Short term withstand temperature	170°C	

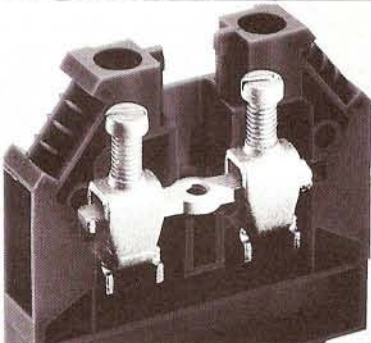
WK Series Terminal Blocks



Pressure connector

The clamping part is made of hardened steel. The new design acts as an elastic tubular clamp, giving a high contact pressure and excellent vibration resistance.

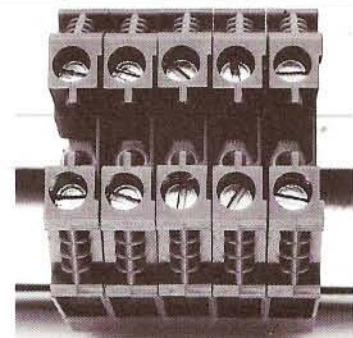
The steel parts are zinc plated and chromated to achieve high corrosion resistance. When the clamping screw is tightened the clamping part is pulled upwards and presses the conductor against the current bar, made of copper or brass. The tin-lead alloy plating of the current bar ensures good contact properties. The screw does not directly act on the conductor, preventing damage to the wire. In this way even fine stranded wire can be connected without additional use of ferrules or wire pins.



Pressure screw

The pressure screws are also made of hardened steel. The screws and all other metal parts are captive inside the insulating housing. The insulating material fits tightly around the heads of the screws, giving a braking action and providing vibration proof connections.

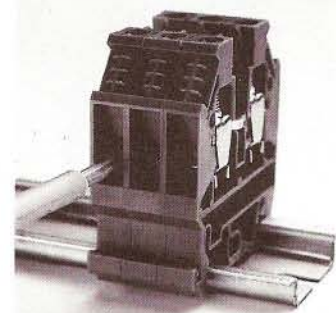
When fully opened, the pressure screw is in a neutral position; neither can it be removed nor the threads damaged. This is an important feature when pneumatic or electrical screw drivers are used.



The insulating housing

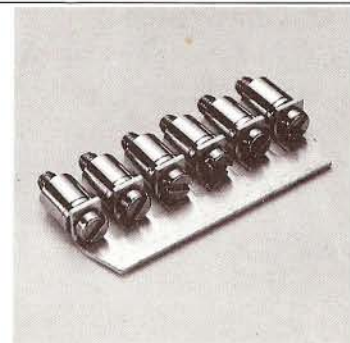
The insulating housing of the modular terminal has especially designed entry holes for the clamping screws. This facilitates the use of electrically or pneumatically operated screw-drivers and aids the location of the screw-driver blade to the screw. The use of polyamid 6.6 for the insulating housing results in a greater flexibility and eliminates breakage.

For the standard terminal WK 4 screw-drivers with 4, mm blades can be used.



Wire entrance

The new WK terminals are fitted with funneled wire entrances, making the insertion of stranded and fine stranded wires easier. Although the use of ferrules or wire pins is sometimes advantageous, it is not necessary with the WK terminals.



Cross connector

It consists of a copper bar, the spacer sleeves and the screws. These parts are delivered preassembled and ready to use. The required number of poles can easily be cut off the 60 cm long strip. We also deliver ready made units in 2 — 3 — 4 — 5 — 6 poles.

The screws, when tightened down, move between two plastic walls, giving vibration proof connections.



Switch Cross Links and Test Plugs

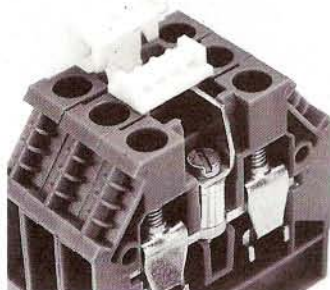
2-Pole switch cross links are available for all sizes and are supplied complete with screws and spacers. Same contact point can be used for test plugs.



Snap-in Partition and Dead Front Cover

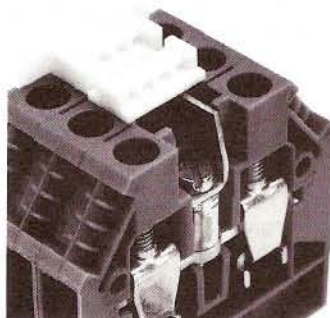
Snap-in partition

If two cross connections are next to each other, a partition must be fitted between the adjacent jumper bars. The new snap-in partition can be fitted from the top and will not fall out.



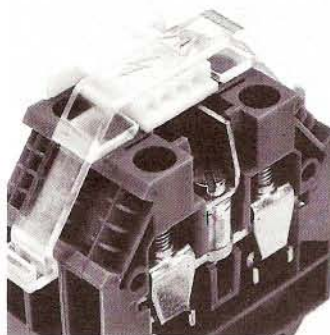
Dead front cover

On certain equipment a dead front arrangement is required. The new snap-in cover, together with the snap-in partition, will insulate all jumper bars.



Warning Cover

An easily snapped-on warning cover, which can only be removed with a screw driver, is now available. The cover is transparent and therefore the marking of the terminal is always visible.



Marking Tags

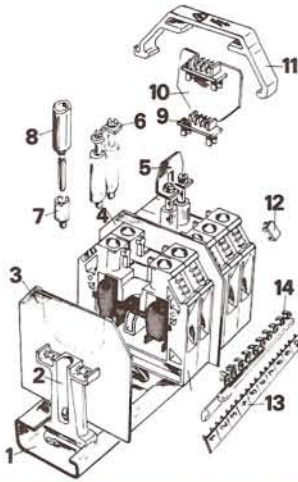
Three standard marking systems are available:

- 1) The 9705 A type rapid marking system. Ten markers on a strip, consecutive numerals up to 999.
- 2) The 9705A individual marking tags.
- 3) The 9704A tear-off marking strip. With only 11 inventory items any combination of 4 digits can be made up. Tear-off marking strips with numerals are also available with coloured backgrounds in red, yellow, blue and green. In all cases the numerals are black.



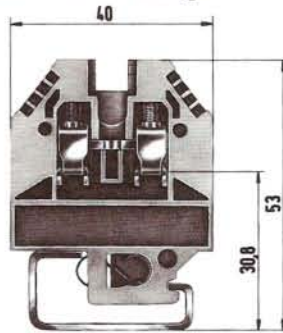
WK Series Terminal Blocks

Modular Terminal Blocks — Type WK/32



2.5 mm²

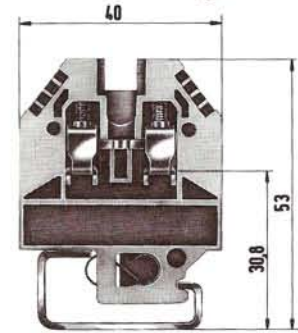
600 V. Screw M2.5
 12 AWG Tightening Torque 0,4 Nm
 25 AMP. Stripping Length 9 mm



Width 5 mm

4 mm²

600 V. Screw M3
 10 AWG Tightening Torque 0,5 Nm
 40 AMP. Stripping Length 9 mm



Width 6 mm

Description	2.5 mm ²			4 mm ²		
	Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack
Terminal Block	WK 2.5/32	54.503.0053	100	WK 4/32	54.504.0053	100
1. Mounting rail 2 m length Steel, zinc plated, di-chromated Aluminum	9006 9006AL	98.190.0000 98.210.0000	— —	9006 9006AL	98.190.0000 98.210.0000	— —
2. End clamp Polyamid 7.5 mm wide Steel, zinc plated 10 mm wide Brass, nickel plated 5 mm wide	9708 9008 9008U	Z5.522.7053 Z5.522.2423 Z5.522.1321	100 100 100	9708 9008 9008U	Z5.522.7053 Z5.522.2423 Z5.522.1321	100 100 100
3. End Plate 1.5 mm thick 2.0 mm thick	AP2.5-4	07.311.0153 —	50	AP2.5-4	07.311.0153 —	50
4. Partition Plate 1.5 mm thick 2.0 mm thick	TW2.5-4	07.311.1153 —	50	TW2.5-4	07.311.1153 —	50
5. Cross Connector 0.6 m long clw screws for 2 poles for 3 poles for 4 poles for 5 poles for 6 poles	VB WK2.5M VB WK2.5-2 VB WK2.5-3 VB WK2.5-4 VB WK2.5-5 VB WK2.5-6	Z7.280.0027 Z7.280.0227 Z7.280.0327 Z7.280.0427 Z7.280.0527 Z7.280.0627	10 50 50 50 50 50	VB MK4M VB WK4-2 VB WK4-3 VB WK4-4 VB WK4-5 VB WK4-6	Z7.281.0027 Z7.281.0227 Z7.281.0327 Z7.281.0427 Z7.281.0527 Z7.281.0627	10 50 50 50 50 50
6. Switchable connecting link		Z7.269.4023	50		Z7.269.4123	50
7. Stud bolt for test plug		05.509.6021	50	9011D	05.508.8921	50
8. Test plug	ST2/2.3 red ST2/2.3 blue	Z5.553.2921 Z5.553.2921.6	50 50	ST2/2.3 red ST2/2.3 blue	Z5.553.2921 Z5.553.2921.6	50 50
9. Dead front cover — yellow	AD VB 2.5	04.326.2053.8	100	AD VB4	04.326.2153.8	100
10. Snap-in partition — yellow	T5 2.5	07.311.2053.8	100	TS4	07.311.2153.8	100
11. Snap-on cover with warning sign — yellow		04.325.5056.8	100		04.325.5156.8	100
12. Marking Tag, Unmarked	9705A	04.242.0850	500	9705A	04.242.0850	500
13. Rapid Marking Strip, Unmarked Rapid Marking Strip, Marked 1-10, 11-20,, 991-999	9705A/5/10 9705A/5/10B	04.242.5053 04.842.5053	25 25	9705A/6/10 9705A/6/10/B	04.242.6053 04.842.6053	25 25
14. Tear-off Marking Strip, Unmarked Tear-off Marking Strip, Marked	9704A 9704A/1-0B	see page 62		9704A 9704A/1-0B	see page 62	

WK Series Terminal Blocks



1

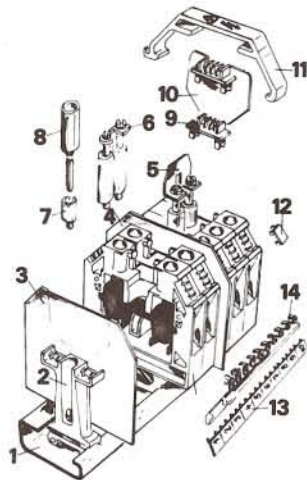
6 mm ²			10 mm ²			16 mm ²		
600 V. 8 AWG 55 AMP.	Screw Tightening Torque Stripping Length	M4 1,2 Nm 13 mm	600 V. 6 AWG 80 AMP.	Screw Tightening Torque Stripping Length	M5 2,0 Nm 18 mm	600 V. 4 AWG 105 AMP.	Screw Tightening Torque Stripping Length	M5 2,0 Nm 20 mm
<p>Width 8 mm</p>			<p>Width 10 mm</p>			<p>Width 12 mm</p>		

Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack
WK 6/32	54.506.0053	100	WK 10/32	54.510.0053	50	WK 16/32	54.516.0053	50
9006	98.190.0000	—	9006	98.190.0000	—	9006	98.190.0000	—
9006AL	98.210.0000	—	9006AL	98.210.0000	—	9006AL	98.210.0000	—
9708	Z5.522.7053	100	9708	Z5.522.7053	100	9708	Z5.522.7053	100
9008	Z5.522.2423	100	9008	Z5.522.2423	100	9008	Z5.522.2423	100
9008U	Z5.522.1321	100	9008U	Z5.522.1321	100	9008U	Z5.522.1321	100
AP6	07.311.0253	50	AP10	07.311.0353	50	AP16	07.311.0453	50
TW6	07.311.1253	50	TW10	07.311.1353	50	TW16	07.311.1453	50
VB WK6M	Z7.282.0027	10	VB WK10-M	Z7.283.0027	10	VB WK16-M	Z7.284.0027	10
VB WK6-2	Z7.282.0227	50	VB WK10-2	Z7.283.0227	50	VB WK16-2	Z7.284.0227	50
VB WK6-3	Z7.282.0327	50	VB WK10-3	Z7.283.0327	50	VB WK16-3	Z7.284.0327	50
VB WK6-4	Z7.282.0427	50	VB WK10-4	Z7.283.0427	50	VB WK16-4	Z7.284.0427	50
VB WK6-5	Z7.282.0527	50	VB WK10-5	Z7.283.0527	50	VB WK16-5	Z7.284.0527	50
VB WK6-6	Z7.282.0627	50	VB WK10-6	Z7.283.0627	50	VB WK16-6	Z7.284.0627	50
	Z7.269.4223	50		Z7.269.4323	50		Z7.269.4423	50
9011B	05.508.3221	50		05.509.3121	50	9011A	05.508.3121	50
ST 2/4 black	Z5.553.3021	50	ST 2/4 black	Z5.553.3021	50	ST 2/4 black	Z5.553.3021	50
ADVB6	04.326.2253.8	100	AD VB10	04.326.2353.8	100	AD VB16	04.326.2453.8	100
TS 6	07.311.2253.8	100	TS 10	07.311.2353.8	100	TS 16	07.311.2453.8	100
	04.325.5256.8	100		04.325.5356.8	100		04.325.5456.8	100
9705A	04.242.0850	500	9705A	04.242.0850	500	9705A	04.242.0850	500
9705A/8/10	04.242.8053	25	9705A/5/10*	04.242.5053	25			
9705A/8/10B	04.842.8053	25	9705A/5/10/5B	04.842.5553	25			
9704A			9704A			9704A		
9704A/1-0B	see page 62		9704A/1-0B	see page 62		9704A/1-0B	see page 62	

*use 2 strips for 10 terminals

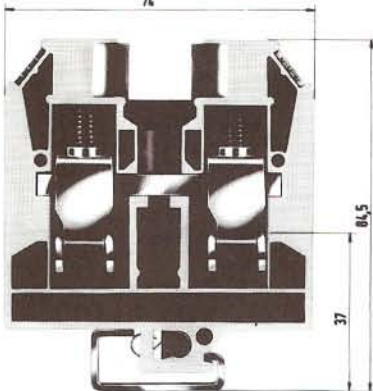
WK Series Terminal Blocks

Modular Terminal Blocks — Type WK/32



35 mm²

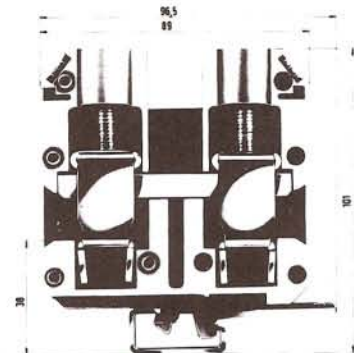
600 V. Screw M6
 2 AWG Tightening Torque 2,5 Nm
 140 AMP. Stripping Length 20 mm



Width 16 mm

70 mm²

600 V. Screw M8
 2/0 AWG Tightening Torque 6 Nm
 225 AMP. Stripping Length 25 mm



Width 24 mm

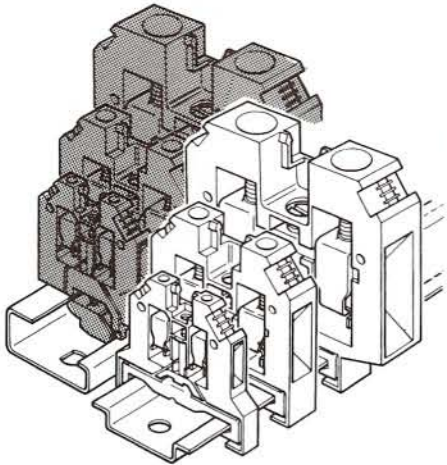
Description	35 mm ²			70 mm ²		
	Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack
Terminal Block	WK 35/32	54.535.0053	20	WK 70/32	54.570.0053	20
1. Mounting rail 2 m length Steel, zinc plated, di- chromated Aluminum	9006 9006AL	98.190.0000 98.210.0000	— —	9006 9006AL	98.190.0000 98.210.0000	— —
2. End clamp Polyamid 7.5 mm wide Steel, zinc plated 10 mm wide Brass, nickel plated 5 mm wide	9708	25.522.7053 — —	100	9708	25.522.7053 — —	100
3. End Plate 1.5 mm thick 2.0 mm thick	AP35	— 07.311.0553	50	Each Terminal is supplied fully enclosed		
4. Partition Plate 1.5 mm thick 2.0 mm thick	TW35	— 07.311.1553	50	TW70	— 07.311.1653	20
5. Cross Connector 0.6 m long clw screw for 2 poles for 3 poles for 4 poles for 5 poles for 6 poles	VB WK35-M VB WK35-2 VB WK35-3 VB WK35-4 VB WK35-5 VB WK35-6	Z7.285.0027 Z7.285.0227 Z7.285.0327 Z7.285.0427 Z7.285.0527 Z7.285.0627	50 50 50 50 50 50	— VB WK70-2 VB WK70-3 VB WK70-4 VB WK70-5 VB WK70-6	Z7.286.0221 Z7.286.0321 Z7.286.0421 Z7.286.0521 Z7.286.0621	50 10 10 10 10
6. Switchable connecting link		Z7.269.4523	50	—		
7. Stud bolt for test plug		05.508.6521	50	—		
8. Test plug	ST 2/4 black	Z5.553.3021	50	—		
9. Dead front cover — yellow	AD VB35	04.326.2553.8	50	AD VB70	04.326.2653.8	20
10. Snap-in partition — yellow	TS 35	07.311.2553.8	50	TS 70	07.311.2653.8	20
11. Snap-on cover with warning sign — yellow		04.325.5556.8	50		04.325.5656.8	20
12. Marking Tag, Unmarked	9705A	04.242.0850	500	9705A	04.242.0850	500
13. Rapid Marking Strip, Unmarked Rapid Marking Strip, Marked 1-10, 11-20, ..., 991-999		— —			— —	
14. Tear-off Marking Strip, Unmarked Tear-off Marking Strip, Marked	9704A 9704A/1-0B	— see page 62		9704A 9704A/1-0B	— see page 62	

WK Series Terminal Blocks

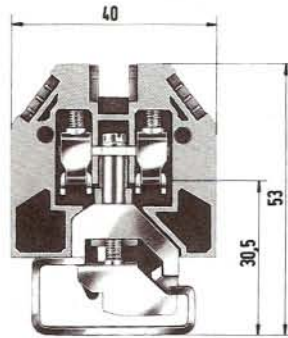


1

Ground Terminals
Type WK SL 32
Colour: Green/Yellow

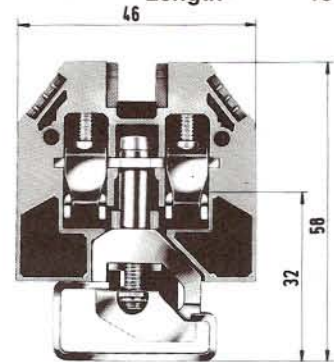


4 mm²
10 AWG Screw M3
 Tightening Torque 0,5 Nm
 Stripping Length 9 mm



Width 6 mm

6 mm²
8 AWG Screw M4
 Tightening Torque 1,2 Nm
 Stripping Length 13 mm

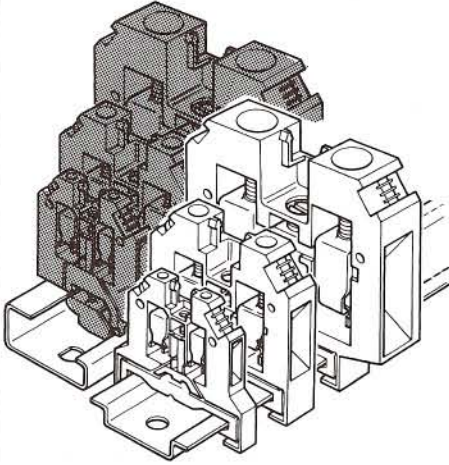


Width 8 mm

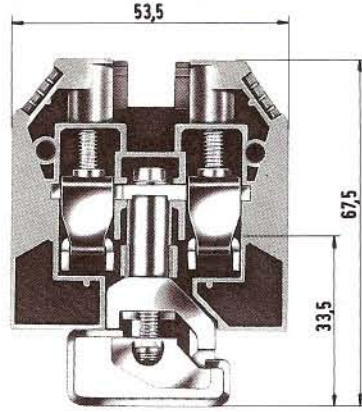
Description	4 mm ²			6 mm ²		
	Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack
Terminal Block	WK 4 SL/32	54.504.9053	100	WK 6 SL/32	54.506.9053	100
1. Mounting rail 2 m length Steel, zinc plated, di- chromated Aluminum	9006 9006AL	98.190.0000 98.210.0000	— —	9006 9006AL	98.190.0000 98.210.0000	— —
2. End clamp Polyamid 7.5 wide	9708	Z5.522.7053	100	9708	Z5.522.7053	100
3. End plate						
4. Partition plate						
5. Dead front cover	AD VB4	04.326.2153.8	100	AD VB6	04.326.2253.8	100
6. Snap-in partition	TS4	07.311.2153.8	100	TS6	07.311.2253.8	100
7. Marking Tag, Unmarked	9705A	04.242.0850	500	9705A	04.242.0850	500
8. Rapid Marking System	9705A/6/10	see page 61		9705A/8/10	see page 61	
9. Tear-off Marking Strip	9704A	see page 62		9704A	see page 62	

WK Series Terminal Blocks

Ground Terminals
Type WK SL/32
Colour: Green/Yellow

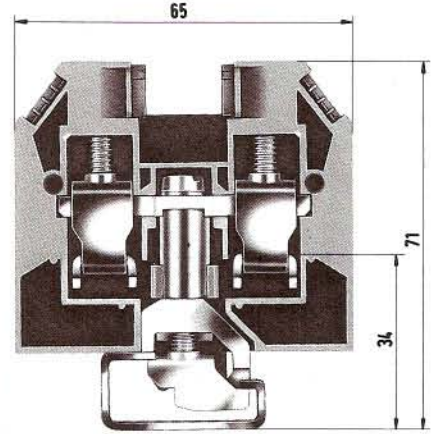


10 mm²
6 AWG Screw **M5**
 Tightening Torque **2,0 Nm**
 Stripping Length **18 mm**



Width 10 mm

16 mm²
4 AWG Screw **M5**
 Tightening Torque **2,0 Nm**
 Stripping Length **20 mm**



Width 12 mm

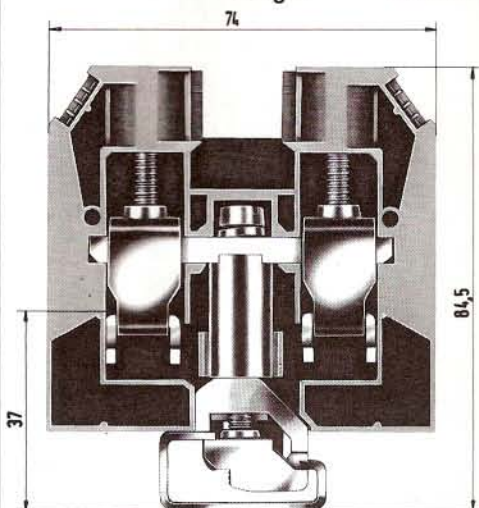
Description	10 mm ²			16 mm ²		
	Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack
Terminal Block	WK 10 SL/32	54.510.9053	50	WK 16 SL/32	54.516.9053	50
1. Mounting rail 2 m length Steel, zinc plated, di- chromated Aluminum	9006 9006 AL	98.190.0000 98.210.0000	— —	9006 9006 AL	98.190.0000 98.210.0000	— —
2. End clamp Polyamid 7.5 wide	9708	Z5.522.7053	100	9708	Z5.522.7053	100
3. End plate						
4. Partition plate						
5. Dead front cover — yellow	AD VB10	04.326.2353.8	100	AD VB16	04.326.2453.8	100
6. Snap-in partition — yellow	TS10	07.311.2353.8	100	TS16	07.311.2453.8	100
7. Marking Tag, Unmarked	9705A	04.242.0850	500	9705A	04.242.0850	500
8. Rapid Marking System	9705A/5/10*	see page 61				
9. Tear-off Marking Strip	9704A	see page 62		9704A	see page 62	

*use 2 strips for 10 terminals



Ground Clamps

35 mm²
 Screw M6
 Tightening Torque 2,5 Nm
2 AWG
 Stripping Length 20 mm



Width 16 mm

Ground Clamps for 9006 Rail

Pressure connector
 — Nickel plated brass

Pressure plate
 — Steel, zinc plated

Clamping screw locking device
 — Polyamid 6.6

Colour
 — Green/Yellow

Std. Pack Qty 25

Sizes available

10, 16, 25, 35, 70 mm²

When using the following ground clamps care should be taken to allow proper creepage and clearance to adjoining terminal blocks.

10 mm² 8 AWG 12,7 mm width
 Type 9700/8 E
 Cat. No. **Z2.303.6321**

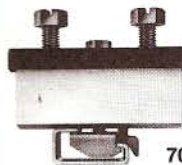
16 mm² 6 AWG 14,6 mm width
 Type 9700/10 E
 Cat. No. **Z2.303.6221**



25 mm² 4 AWG 16,7 mm width
 (35 mm²) (2 AWG)
 Type 9700/12 E
 Cat. No. **Z2.303.5421**

35 mm² 2 AWG 18,7 mm width
 (50 mm²) (1 AWG)
 Type 9700/16 E
 Cat. No. **Z2.303.8921**

70 mm² 2/0 AWG 25 mm width
 (120 mm²) (4/0 AWG)
 Type 9700/70 E
 Cat. No. **Z2.302.0321**

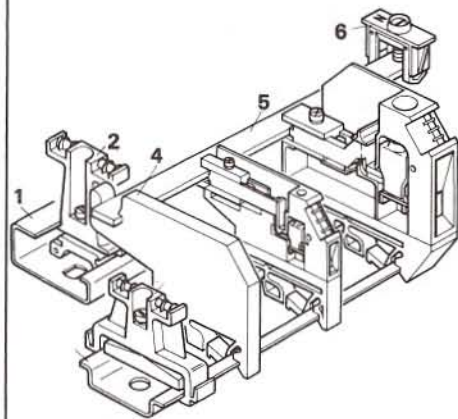


Std. Pack Qty 10

Type	Cat. No.	Std. Pack
WK35 SL/32	54.535.9053	20
9006	98.190.0000	—
9006 AL	98.210.0000	—
9708	Z5.522.7053	100
AD VB35	04.326.2553.8	100
TS 35	07.311.2553.8	100
9705A	04.242.0850	500
9704A	see page 62	—

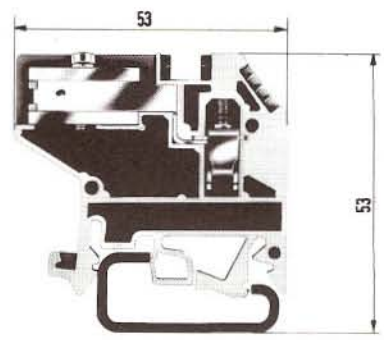
WK Series Terminal Blocks

Neutral Terminals
Type WK ETK/U
Colour: Blue



4 mm²

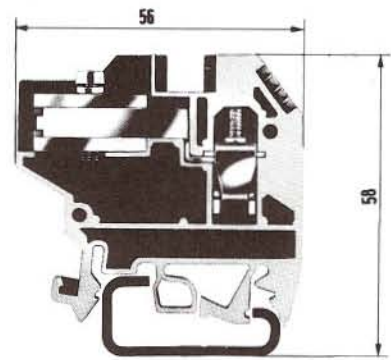
Screw **M3**
 Tightening Torque **0,5 Nm**
 Stripping Length **9 mm**



Width 6 mm

6 mm²

Screw **M4**
 Tightening Torque **1,2 Nm**
 Stripping Length **13 mm**



Width 8 mm

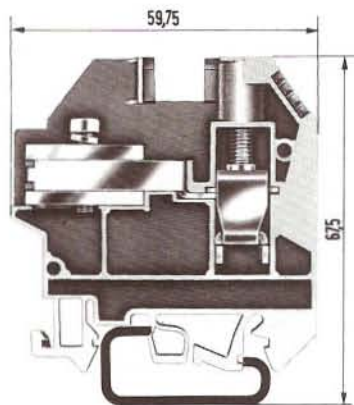
Description	4 mm ²			6 mm ²		
	Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack
Terminal Block	WK 4 ETK/U	57.504.8053	100	WK 6 ETK/U	57.506.8053	100
1. Mounting rail 2 m length Steel, zinc plated, dichromated Aluminum	9006 9006 AL	98.190.0000 98.210.0000	— —	9006 9006 AL	98.190.0000 98.210.0000	— —
2. End clamp Polyamid 7.5 wide Steel, zinc plated, 10 mm wide Brass, nickel plated, 5 mm wide	9708 9008 9008U	Z5.522.7053	100	9708 9008 9008U	Z5.522.7053	100
3. End plate 1.5 mm thick End plate 2.0 mm thick	AP4 ETK	07.311.5153	50	AP6 ETK	07.311.5253	50
4. Busbar support for neutral busbar 10 x 3 mm	WK ETK SH/U	01.107.5953	100	WK ETK SH/U	01.107.5953	100
5. Busbar E-Cu 10 x 3 mm, 1 m length	9813	98.290.0000	10	9813	98.290.0000	10
6. Busbar clamp -25 mm ² (width 11.1 mm) -35 mm ² (width 14.3 mm)		30.494.1110.6 30.494.2510.6	100 100		30.494.1110.6 30.494.2510.6	100 100
7. Dead front cover — yellow	AD VB4	04.326.2153.8	100	AD VB6	04.326.2253.8	100
8. Marking Tag, Unmarked	9705A	see page 61		9705A	see page 61	
9. Rapid Marking System	9705A/6/10	see page 61		9705A/8/10	see page 61	
10. Tear-off Marking Strips	9704A	see page 62		9704A	see page 62	

WK Series Terminal Blocks

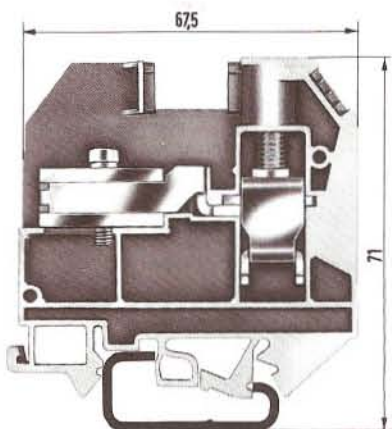


1

10 mm²



16 mm²

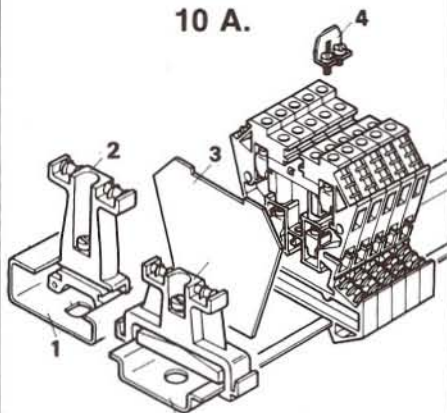


Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack
WK10 ETK/U	57.510.8053	50	WK 16 ETK/U	57.516.8053	50
9006	98.190.0000	—	9006	98.190.0000	—
9006 AL	98.210.0000	—	9006 AL	98.210.0000	—
9708	Z5.522.7053	100	9708	Z5.522.7053	100
9008			9008		
9008U			9008U		
AP 10 ETK	07.311.5353	50	AP 16 ETK	07.311.5453	50
WK ETK SH/U	01.107.5953	100	WK ETK SH/U	01.107.5953	100
9813	98.290.0000	10	9813	98.290.0000	10
	30.494.1110.6	100		30.494.1110.6	100
	30.494.2510.6	100		30.494.2510.6	100
AD VB10	04.326.2353.8	100	AD VB16	04.326.2453.8	100
9705A	see page 61		9705A	see page 61	
9705A/5/10/5	see page 61		9705A/8/10/5	see page 61	
9704A	see page 62		9704A	see page 62	

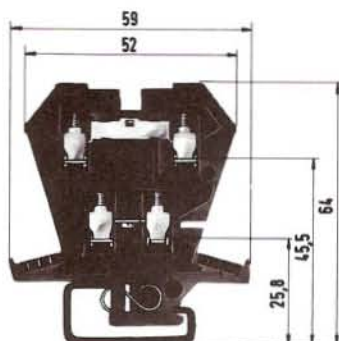
WK Series Terminal Blocks

Two-Tiered Terminal Blocks Type WK 4E/32

300 V.
12 AWG
10 A.

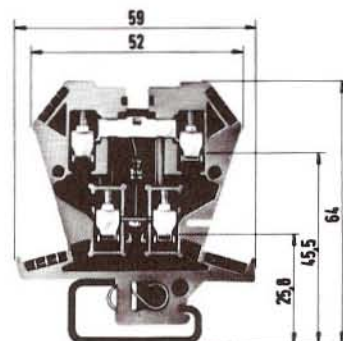


4 mm²
WK 4E/32
WK 4E/32 VB



Width 6 mm

4 mm²
WK 4E/32 GU with diode

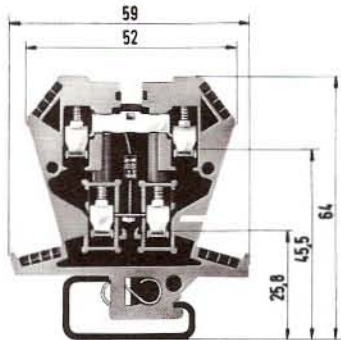


Width 6 mm

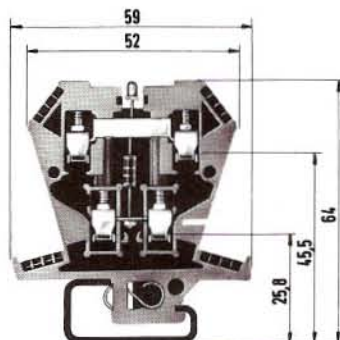
Description	WK 4E/32			WK 4E/32 GU		
	Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack
Standard terminal	WK 4E/32	54.504.7053	100			
terminal with top and bottom sockets interconnected	WK 4E/32 VB	54.504.6953	100			
terminal with diode 1N4007 current flow top to bottom				WK 4E/32 GU	54.504.8153	100
terminal with diode 1N4007 current flow bottom to top						
1. Mounting rail 2 m length Steel, zinc plated, dichromated Aluminum	9006	98.190.0000	—	9006	98.190.0000	—
	9006 AL	98.210.0000	—	9006 AL	98.210.0000	—
2. End clamp — polyamid 7.5 mm wide	9708	Z5.522.7053	100	9708	Z5.522.7053	100
3. End plate 1.5 mm thick	AP 4E	07.311.4053	50	AP 4E	07.311.4053	50
4. Cross connector with screws 0.6 m length E-Cu for 2 terminals for top tier for 3 terminals for 4 terminals for 5 terminals for 6 terminals	9215M	Z7.210.3027	10	9215M	Z7.210.3027	10
	9215-2	Z7.210.3227	50	9215-2	Z7.210.3227	50
	9215-3	Z7.210.3327	50	9215-3	Z7.210.3327	50
	9215-4	Z7.210.3427	50	9215-4	Z7.210.3427	50
	9215-5	Z7.210.3527	50	9215-5	Z7.210.3527	50
	9215-6	Z7.210.3627	50	9215-6	Z7.210.3627	50
5. Cross connector with long screws and bushings for 2 terminals E-Cu for 3 terminals for top and for 4 terminals bottom tier for 5 terminals for 6 terminals		Z7.210.5227	50			
		Z7.210.5327	50			
		Z7.210.5427	50			
		Z7.210.5527	50			
	Z7.210.5627	50				
6. Jumper top and bottom with screws		Z5.593.3221	50			
7. Switchable connecting link		Z7.269.2923	50		Z7.269.2923	50
8. Stud bolt for test plug	9011C	05.508.8821	50	9011C	05.508.8821	50
9. Test plug	ST 2/2.3	Z5.553.2921	50	ST 2/2.3	Z5.553.2921	50
10. Cross connector for 0.6 m length lower tier for 2 terminals for 3 terminals for 4 terminals for 5 terminals for 6 terminals	VBWK 4 EM	07.255.2027	10	VBWK 4 EM	07.255.2027	10
	VBWK 4 E-2	07.255.2227	50	VBWK 4 E-2	07.255.2227	50
	VBWK 4 E-3	07.255.2327	50	VBWK 4 E-3	07.255.2327	50
	VBWK 4 E-4	07.255.2427	50	VBWK 4 E-4	07.255.2427	50
	VBWK 4 E-5	07.255.2527	50	VBWK 4 E-5	07.255.2527	50
	VBWK 4 E-6	07.255.2627	50	VBWK 4 E-6	07.255.2627	50
11. Insulated jumper		see page 23				
12. Marking systems		see page 61-62				



4 mm² WK 4E/32 GO with diode

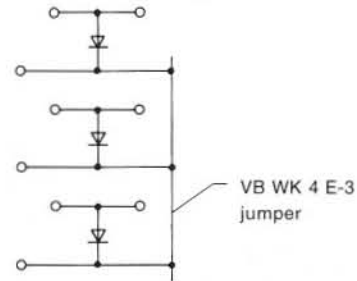


4 mm² WK 4E/32 LD with light emitting diode



Technical data and wiring diagrams

WK 4E/32 GU
Diode 1N4007 built-in
Current 1 ampere
Peak inverse voltage 1300 V



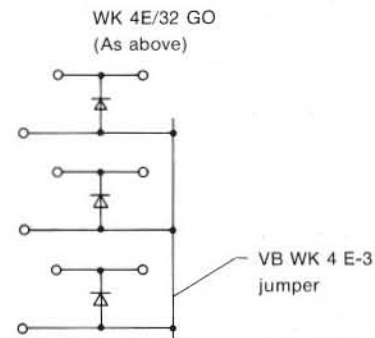
Type	Cat. No.	Std. Pack
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Type	Cat. No.	Std. Pack
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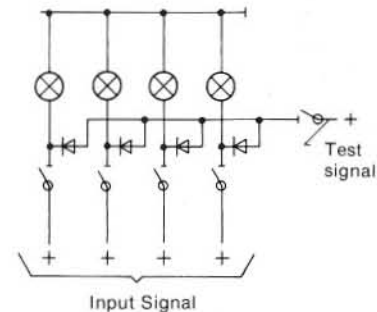
WK 4E/32 LD 54.504.7253 100

with type TIL 209B light emitting

Diode



Schematic example of intercoupled diodes used in a test circuit.



WK 4E/32 GO 54.504.8253 100

9006	98.190.0000	—
9006 AL	98.210.0000	—

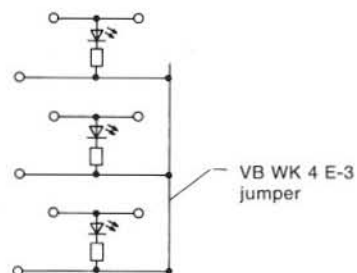
9006	98.190.0000	—
9006 AL	98.210.0000	—

9708	Z5.522.7053	100
AP 4E	07.311.4053	50

9708	Z5.522.7053	100
AP 4E	07.311.4053	50

9215M	Z7.210.3027	10
9215-2	Z7.210.3227	50
9215-3	Z7.210.3327	50
9215-4	Z7.210.3427	50
9215-5	Z7.210.3527	50
9215-6	Z7.210.3627	50

WK 4E/32 LD
Light-emitting diode
TIL 209B built-in
colour red, intensity
0.5 cd at 20 ma
Resistance Type KBT
2.2 KΩ 0.33 W
Voltage 24 V



Z7.269.2923 50

9011C 05.508.8821 50

ST 2/2.3 Z5.553.2921 50

VBWK 4 EM	07.255.2027	10
VBWK 4 E-2	07.255.2227	50
VBWK 4 E-3	07.255.2327	50
VBWK 4 E-4	07.255.2427	50
VBWK 4 E-5	07.255.2527	50
VBWK 4 E-6	07.255.2627	50

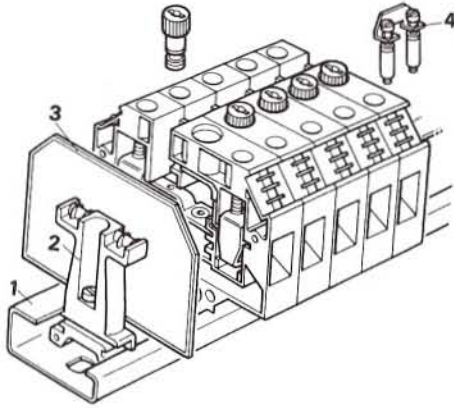
VBWK 4 EM	07.255.2027	10
VBWK 4 E-2	07.255.2227	50
VBWK 4 E-3	07.255.2327	50
VBWK 4 E-4	07.255.2427	50
VBWK 4 E-5	07.255.2527	50
VBWK 4 E-6	07.255.2627	50

see page 23

see page 61-62

WK Series Terminal Blocks

Fused Terminal Blocks Type WK 10 Si/32

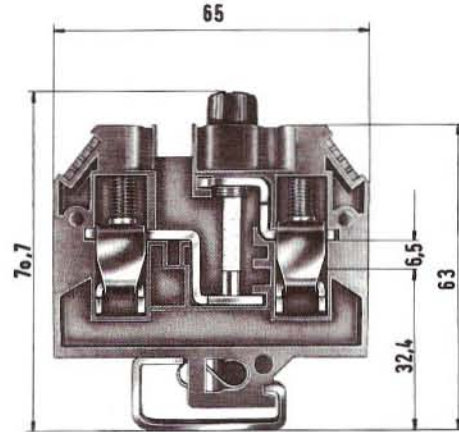


10 mm²



300 V.
6 AWG
10 AMP.

Screw M5
Tightening Torque 2,0 Nm
Stripping Length 9 mm



Width 12 mm

Description	Type	Article No.	Std Pack
Fuse terminal for 1/4 x 1 1/4 inch fuse	WK 10/Si32 6.3 x 32	54.910.5353	50
Fuse terminal for 1/4 x 1 1/4 inch fuse with incandescent indicator lamp (28V)	WK 10/Si32 6.3 x 32 glb	54.910.6153	50
Fuse terminal for 1/4 x 1 1/4 inch fuse with neon indicator lamp (over 100V)	WK 10/Si32 6.3 x 32 ngl	54.910.5753	50
Fuse terminal for 5 x 20 mm fuse	WK 10/Si32 5 x 20	54.910.5053	50
Fuse terminal for 5 x 20 mm fuse with incandescent indicator lamp (28V)	WK 10/Si32 5 x 20 glb	54.910.5853	50
Fuse terminal for 5 x 20 mm fuse with neon indicator lamp (over 100V)	WK 10/Si32 5 x 20 ngl	54.910.5453	50
Mounting rail 2 m long, steel, zinc plated, di-chromated	9006	98.190.0000	—
Mounting rail 2 m long, aluminum	9006AL	98.210.0000	—
End clamp Polyamid 7.5 mm wide	9708	Z5.522.7053	100
Steel, zinc plated, di-chromated 10 mm wide	9008	Z5.522.2423	100
Brass, nickel plated 5 mm wide	9008U	Z5.522.1321	100
End plate 1.5 mm thick	AP 10/Si	07.311.4153	10
Jumper bar c/w screws, E-Cu, 0.6 m	VB WK 10/Si M	Z7.287.0027	50
Jumper bar c/w for 2 poles	VB WK 10/Si-2	Z7.287.0227	50
Jumper bar c/w for 3 poles	VB WK 10/Si-3	Z7.287.0327	50
Jumper bar c/w for 4 poles	VB WK 10/Si-4	Z7.287.0427	50
Jumper bar c/w for 5 poles	VB WK 10/Si-5	Z7.287.0527	50
Jumper bar c/w for 6 poles	VB WK 10/Si-6	Z7.287.0627	50
Marking tag, unmarked	9705A	04.242.0850	500
Marking tag, marked (min. 50 per mark)	9705AB	04.842.0850	50
Elongated marking tag, unmarked	9705AL	04.242.1553	500
Elongated marking tag, marked (min. 50)	9705ALB	04.842.1553	50
Tear-off marking strip			
	See page 62		

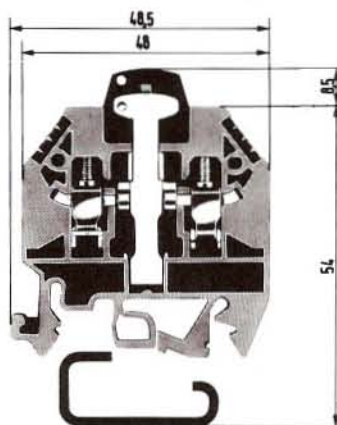
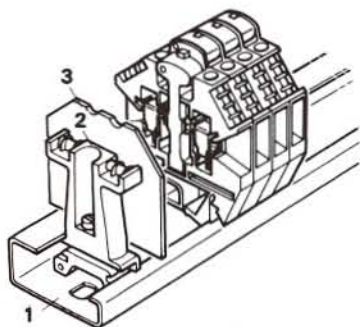


Disconnecting Terminal Block Type WK 4 TKS/U

4 mm²

**300 V.
12 AWG
10 AMP.**

**Screw Size M3
Tightening Torque 0,5 Nm
Stripping Length 9 mm**



Width 6 mm

Description	Type	Cat. No.	Std. Pack
Disconnect terminal with partition	WK 4 TKS/U	57.504.3053	100
— with socket type screw — left	WK 4 TKS P1/U	57.504.3153	100
— with socket type screw — right	WK 4 TKS P2/U	57.504.3253	100
— with socket type screw — both sides	WK 4 TKS P3/U	57.504.3353	100
1. Mounting rail 2 m length Steel, zinc plated, di-chromated Aluminum	9006 9006 AL	98.190.0000 98.210.0000	— —
2. End clamp Polyamid 7.5 mm wide	9708	Z5.522.7053	100
3. End plate 1.5 mm thick	AP4 TK	07.311.6153	100
4. Insulated jumper for 2 terminals		Z7.255.4227	100
3 terminals		Z7.255.4327	100
4 terminals		Z7.255.4427	100
5 terminals		Z7.255.4527	100
6 terminals		Z7.255.4627	100
5. Test plug to fit socket type screw	ST 2/2.3 red	Z5.553.2921	50
6. Shorting plug		Z5.553.9400	100
7. Marking Tag Unmarked	9705A	see page 61	
8. Rapid Marking System		see page 61	
9. Tear-off Marking Strips	9704A	see page 62	

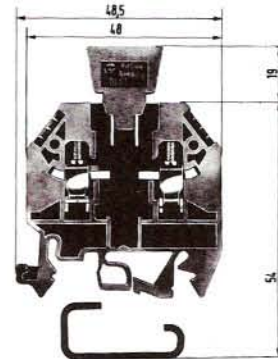
WK Series Terminal Blocks

**Terminal Block with removable diode plug.
Type WK4 TKG/U**

4 mm²

**300 V.
12 AWG
10 AMP.**

**Screw M3
Tightening Torque 0,5 Nm
Stripping Length 9 mm**



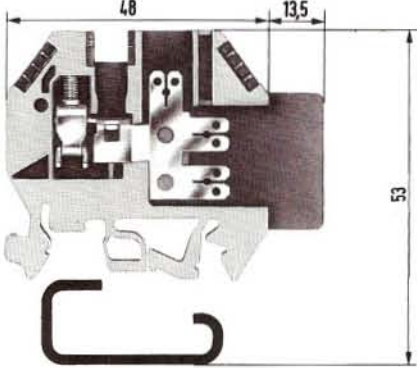
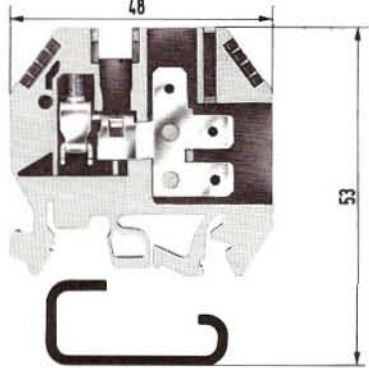
Width 6 mm

Description	Type	Cat. No.	Std. Pack
Terminal block for Diode Plug	WK4 TKG/U	57.504.4053	100
Diode Plug — Empty	DIST...	Z1.299.3053	100
Diode Plug with 1N4007 Diode	DIST-1N4007	Z1.299.3153	100
1. Mounting rail 2 m length Steel, zinc plated, di-chromated Aluminum	9006 9006 AL	98.190.0000 98.210.0000	— —
2. End clamp Polyamid 7.5 mm wide	9708	Z5.522.7053	100
3. End plate 1.5 mm thick	AP4 TK	07.311.6153	100
4. Insulated jumper for 2 terminals 3 terminals 4 terminals 5 terminals 6 terminals		Z7.255.4227 Z7.255.4327 Z7.255.4427 Z7.255.4527 Z7.255.4627	100 100 100 100 100
5. Marking Tag Unmarked	9705A	see page 61	
6. Rapid Marking System		see page 61	
7. Tear-off Marking Strips	9704A	see page 62	

WK Series Terminal Blocks



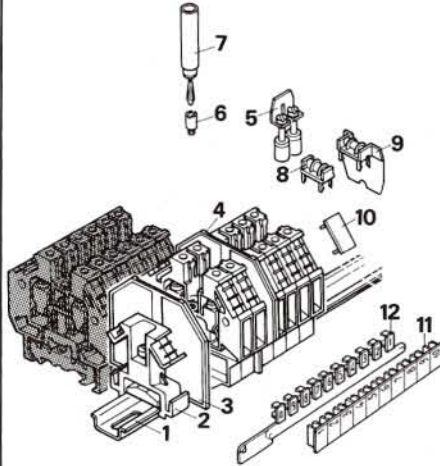
1

<p>Flat Tab Type Clip-on Terminals Type WK 3 S 1K/1W/U 2.8 x 0.8 mm or 6.3 x 0.8 mm</p> <p>300 V. 10 AMP.</p>	<p>4 mm² With extended barrier 1W With one screw terminal 1K Screw M3 Stripping Length 9 mm</p>  <p>Width 6 mm</p>	<p>4 mm² With one screw terminal 1K Screw M3 Stripping Length 9 mm</p>  <p>Width 6 mm</p>
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Description — Terminal Block	Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack
with 3 flat Tabs 6.3 x 0.8	WK 4 3 S 1K/1W/U	57.504.2453	100	WK 4 3 S 1K/U	57.504.3453	100
with 3 flat Tabs 6.3 x 0.8 or 6 flat Tabs 2.8 x 0.8	WK 4 3-6 S 1K/1W/U	57.504.2753	100	WK 4 3-6 S 1K/U	57.504.3753	100
with 5 flat Tabs 2.8 x 0.8 (not shown)	WK 4 5 S 2,8 1K/1W/U	57.504.2853	100	WK 4 5 S 2,8 1K/U	57.504.3853	100
1. Mounting rail 2 m length Steel, zinc plated, di- chromated Aluminum	9006 9006 AL	98.190.0000 98.210.0000	— —	9006 9006 AL	98.190.0000 98.210.0000	— —
2. End clamp Polyamid 7.5 mm wide — —	9708	Z5.522.7053 — —	100	9708	Z5.522.7053 — —	100
3. End plate 1.5 mm thick	AP4 3 S 1K	07.311.3853	50	AP4 3 S 1K	07.311.3853	50
4. Cross-connector 0.6 m length c/w screw for 2 poles E-Cu for 3 poles for 4 poles for 5 poles for 6 poles	VB WK 4 M VB WK 4-2 VB WK 4-3 VB WK 4-4 VB WK 4-5 VB WK 4-6	Z7.281.0027 Z7.281.0227 Z7.281.0327 Z7.281.0427 Z7.281.0527 Z7.281.0627	10 50 50 50 50 50	VB WK 4 M VB WK 4-2 VB WK 4-3 VB WK 4-4 VB WK 4-5 VB WK 4-6	Z7.281.0027 Z7.281.0227 Z7.281.0327 Z7.281.0427 Z7.281.0527 Z7.281.0627	10 50 50 50 50 50
5. Dead front cover — yellow	AD VB 4	04.326.2153.8	100	AD VB 4	04.326.2153.8	100
6. Snap-in partition — yellow	TS 4	07.311.2153.8	100	TS 4	07.311.2153.8	100
7. Insulating sleeve for clip-on connector — yellow for 1.5 mm ² wire — stranded for 2.5 mm ² wire — stranded		05.592.7553 05.592.7653	2000 2000		05.592.7553 05.592.7653	2000 2000
8. Marking Tag Unmarked	9705A	see page 61				
9. Rapid Marking System	9705A	see page 61				
10. Tear-off Marking Strips	9704A	see page 62				

WK Series Terminal Blocks

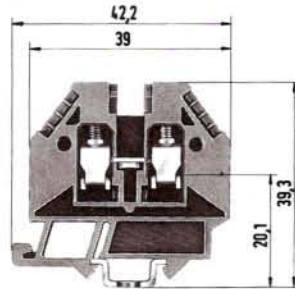
Terminal and ground terminal for miniature rail.
Type WK 4/15
Type WK 4SL/15



4 mm²

600 V.
12 AWG
40 AMP.

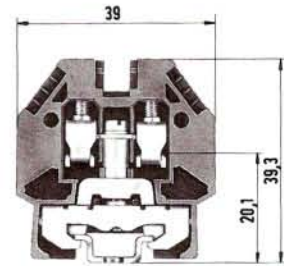
Screw M3
 Tightening Torque 0,5 Nm
 Stripping Length 9 mm



4 mm²

12 AWG

Screw M3
 Tightening Torque 0,5 Nm
 Stripping Length 9 mm



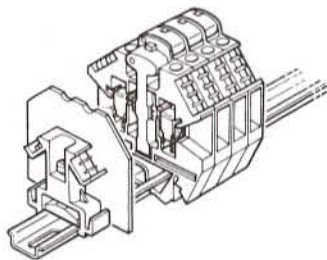
Description	Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack
Terminal Block	WK 4/15	55.504.0053	100			
Ground Terminal — green/yellow				WK 4 SL/15	55.504.9053	100
1. Mounting rail 2 m length Steel, zinc plated, dichromated	9021	98.090.0015	10	9021	98.090.0015	10
2. End clamp — polyamid 8 mm wide	9208 S 15	Z5.522.7553	100			
3. End plate — 1.5 mm thick	AP 4/15	07.311.0953	50	AP 4/15	07.311.0953	50
4. Partition plate 1.5 mm thick	TW 4/15	07.311.1953	50	TW 4/15	07.311.1953	50
5. Jumper bars with screws 0.6 m E-Cu for 2 terminals for 3 terminals for 4 terminals for 5 terminals for 6 terminals	VBWK 4/15 M VBWK 4/15-2 VBWK 4/15-3 VBWK 4/15-4 VBWK 4/15-5 VBWK 4/15-6	Z7.281.5027 Z7.281.5227 Z7.281.5327 Z7.281.5427 Z7.281.5527 Z7.281.5627	10 50 50 50 50 50			
6. Stud bolt for test plug	9011 C	05.508.8821	50			
7. Test plug	ST 2/2,3	Z5.553.2921	50			
8. Dead front cover — yellow	AD VB 4/15	04.326.2953.8	100	AD VB 4/15	04.326.2953.8	100
9. Snap-in partition — yellow	TS 4/15	07.311.2953.8	100	TS 4/15	07.311.2953.8	100
10. Marking Tag, Unmarked	9705 A	04.242.0850	500	9705 A	04.242.0850	500
Marking Tag, Marked	9705 AB	04.842.0850	500	9705 AB	04.842.0850	500
11. Rapid Marking Strip	9705 A/6/10 9705 A/6/10 B	see page 61 see page 61		9705 A/6/10 9705 A/6/10 B	see page 61 see page 61	
12. Tear-off Marking Strip	9704A	see page 62		9704A	see page 62	

WK Series Terminal Blocks



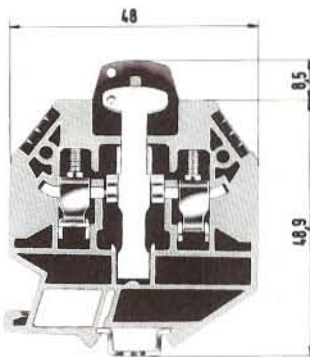
1

Disconnect terminal
Diode plug terminal
 — for miniature rail
Type WK 4 TKS/15
Type WK 4 TKG/15



4 mm²

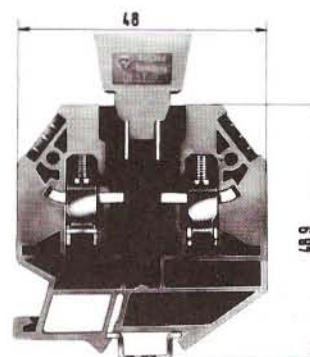
300 V. Screw **M3**
12 AWG Tightening Torque **0,5 Nm**
10 AMP. Stripping Length **9 mm**



Width 6 mm

4 mm²

300 V. Screw **M3**
12 AWG Tightening Torque **0,5 Nm**
10 AMP. Stripping Length **9 mm**



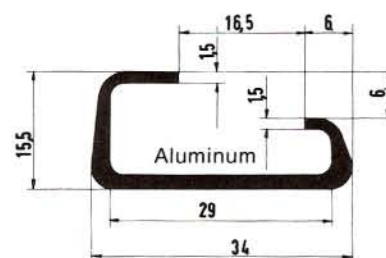
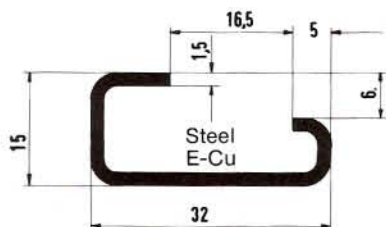
Width 6 mm

Description	Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack
Disconnect terminal — — with socket type screw — left — right — both sides	WK 4 TKS/15	55.504.3053	100			
	WK 4 TKS P1/15	55.504.3153	100			
	WK 4 TKS P2/15	55.504.3253	100			
	WK 4 TKS P3/15	55.504.3353	100			
Terminal block for diode plug Diode plug — empty Diode plug — with 1N4007 Diode				WK 4 TKG/15	55.504.4053	100
				DIST...	Z1.299.3053	100
				DIST-1 N 4007	Z1.299.3153	100
1. Mounting rail 2 m length Steel, zinc plated, di-chromated	9021	98.090.0015	10	9021	98.090.0015	10
2. End clamp — polyamid 8 mm wide	9208 S 15	Z5.522.7553	100	9208 S 15	Z5.522.7553	100
3. End plate — 1.5 mm thick	AP 4 TK	07.311.6153	50	AP 4 TK	07.311.6153	50
4. Insulated jumper for 2 terminals for 3 terminals for 4 terminals for 5 terminals for 6 terminals		Z7.255.4227	100		Z7.255.4227	100
		Z7.255.4327	100		Z7.255.4327	100
		Z7.255.4427	100		Z7.255.4427	100
		Z7.255.4527	100		Z7.255.4527	100
		Z7.255.4627	100		Z7.255.4627	100
5. Test plug	ST 2/2,3	Z5.553.2921	50	ST 2/2,3	Z5.553.2921	50
6. Shorting plug		Z5.553.9400	100		Z5.553.9400	100
7. Marking Tag, Unmarked	9705 A	see page 61		9705 A	see page 61	
8. Rapid Marking System		see page 61			see page 61	
9. Tear-off Marking Strips	9704 A	see page 62		9704 A	see page 62	

WK Series — Accessories

Mounting Rail TS 32

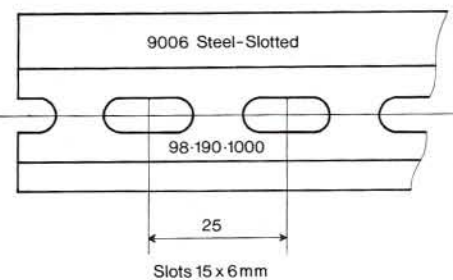
Supplied in 2 m lengths



Type	Cat. No.	Std. Pack	wt kg/100
9006 Steel	98.190.0000	10	147.0
9006 Slotted Steel	98.190.1000	10	141.0
9006 AL	98.210.0000	10	69.0
9006 E-Cu*	98.220.0000	10	166.5

Steel rail-finish, zinc plated, di-chromated.

*E-Cu on special order only.

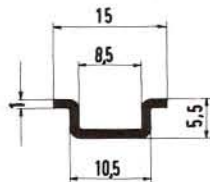


(Dimensions in mm)

On special order, Electrovert will supply Type 9006 rails, cut to required lengths. End notching or slotting is provided with each cut made.

Mounting Rail TS 15

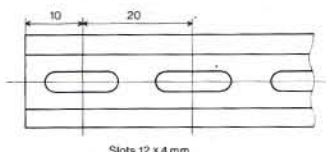
Supplied in 1 or 2 m lengths



Material — steel
Finish — Zinc plated, di-chromated

Type	Cat. No.	Std. Pack	wt kg/100
9021 (1 m)	98.090.0000	10	14.0
9021 (2 m)	98.090.0015	10	28.0

9021 rail is supplied with continuous slotting.



9006 Steel rail is available with continuous slotting.

Special assembly service for WIBA terminal blocks

Electrovert will supply WIBA terminal blocks factory mounted to mounting rails, in accordance with customer drawings and specifications.

Terminals are shipped to the destination ready for wiring.

Marking tags can also be attached at the factory.

For further information contact your nearest Electrovert sales office.

End Clamps

For 9006 Rail

Type	Cat. No.	Std. Pack
9708	Z5.522.7053	100



7,5 mm wide, Polyamid 6

9008	Z5.522.2423	100
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10 mm wide steel, zinc plated

9008 U	Z5.522.1321	100
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5 mm wide, brass, nickel plated

For 9021 Rail

Type	Cat. No.	Std. Pack
9022	Z5.522.2110	100



7,5 mm wide steel, zinc plated and di-chromated

9222	Z5.522.5010	100
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Insertable anywhere along rail.
5 mm wide steel, zinc plated and di-chromated

9208/S 15	Z5.522.7553	100
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7,5 mm wide Polyamid 6

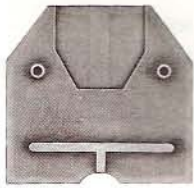
9208/S 15 C	Z5.522.7653	100
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7,5 mm wide Polyamid 6



End Plate — AP				Cross Connector VB 0.6 m length				Dead Front Cover AD VB			
Terminal	Type	Cat. No.	Std. Pack	Terminal	Type	Cat. No.	Std. Pack	Terminal	Type	Cat. No.	Std. Pack
WK 2,5	AP 2,5-4	07.311.0153	50	WK 2,5	VB WK 2,5 M	Z7.280.0027	10	WK 2,5	AD VB 2,5	04.326.2053.8	100
WK 4	AP 2,5-4	07.311.0153	50	WK 4	VB WK 4 M	Z7.281.0027	10	WK 4	AD VB 4	04.326.2153.8	100
WK 6	AP 6	07.311.0253	50	WK 6	VB WK 6 M	Z7.282.0027	10	WK 6	AD VB 6	04.326.2253.8	100
WK 10	AP 10	07.311.0353	50	WK 10	VB WK 10 M	Z7.283.0027	10	WK 10	AD VB 10	04.326.2353.8	100
WK 16*	AP 16	07.311.0453	50	WK 16	VB WK 16 M	Z7.284.0027	10	WK 16	AD VB 16	04.326.2453.8	100
WK 35*	AP 35	07.311.0553	50	WK 35	VB WK 35 M	Z7.285.0027	10	WK 35	AD VB 35	04.326.2553.8	50
								WK 70	AD VB 70	04.326.2653.8	20



width 1.5 mm
*width 2.0 mm

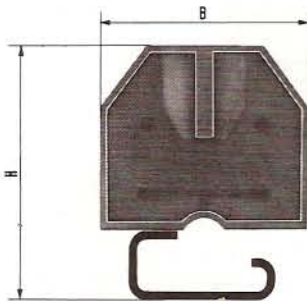


Material: E-CU
for VB WK 4/15 see page 18.



Colour: yellow
Marking systems see pages 60, 61, 62

Partition Plate — TW				Cross Connector VB				Snap-in Partition TS			
Terminal	Type	Cat. No.	Pack	No. of Terminals	Type	Cat. No.	Pack	Terminal	Type	Cat. No.	Std. Pack
WK 2,5	TW 2,5-4	07.311.1153	50	WK 2,5	VB WK 2,5-2	Z7.280.0227	50	WK 2,5	TS 2,5	07.311.2053.8	100
WK 4	TW 2,5-4	07.311.1153	50	2 term.	VB WK 2,5-3	Z7.280.0327	50	WK 4	TS 4	07.311.2153.8	100
WK 6	TW 6	07.311.1253	50	3 term.	VB WK 2,5-4	Z7.280.0427	50	WK 6	TS 6	07.311.2253.8	100
WK 10	TW 10	07.311.1353	50	4 term.	VB WK 2,5-5	Z7.280.0527	50	WK 10	TS 10	07.311.2353.8	100
WK 16	TW 16	07.311.1453	50	5 term.	VB WK 2,5-6	Z7.280.0627	50	WK 16	TS 16	07.311.2453.8	100
WK 35	TW 35	07.311.1553	50	6 term.	VB WK 4-2	Z7.281.0227	50	WK 35	TS 35	07.311.2553.8	50
WK 70	TW 70	07.311.1653	20	2 term.	VB WK 4-3	Z7.281.0327	50	WK 70	TS 70	07.311.2653.8	20
				3 term.	VB WK 4-4	Z7.281.0427	50				
				4 term.	VB WK 4-5	Z7.281.0527	50				
				5 term.	VB WK 4-6	Z7.281.0627	50				
				6 term.	VB WK 6-2	Z7.282.0227	50				
				2 term.	VB WK 6-3	Z7.282.0327	50				
				3 term.	VB WK 6-4	Z7.282.0427	50				
				4 term.	VB WK 6-5	Z7.282.0527	50				
				5 term.	VB WK 6-6	Z7.282.0627	50				
				6 term.	VB WK 10-2	Z7.283.0227	50				
				2 term.	VB WK 10-3	Z7.283.0327	50				
				3 term.	VB WK 10-4	Z7.283.0427	50				
				4 term.	VB WK 10-5	Z7.283.0527	50				
				5 term.	VB WK 10-6	Z7.283.0627	50				
				6 term.	VB WK 16-2	Z7.284.0227	50				
				2 term.	VB WK 16-3	Z7.284.0327	50				
				3 term.	VB WK 16-4	Z7.284.0427	50				
				4 term.	VB WK 16-5	Z7.284.0527	50				
				5 term.	VB WK 16-6	Z7.284.0627	50				
				6 term.	VB WK 35-2	Z7.285.0227	20				
				2 term.	VB WK 35-3	Z7.285.0327	20				
				3 term.	VB WK 35-4	Z7.285.0427	20				
				4 term.	VB WK 35-5	Z7.285.0527	20				
				5 term.	VB WK 35-6	Z7.285.0627	20				
				6 term.	VB WK 70-2	Z7.286.0221	50				
				2 term.	VB WK 70-3	Z7.286.0321	10				
				3 term.	VB WK 70-4	Z7.286.0421	10				
				4 term.	VB WK 70-5	Z7.286.0521	10				
				5 term.	VB WK 70-6	Z7.286.0621	10				
				6 term.							






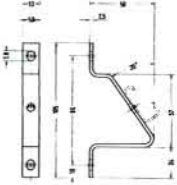
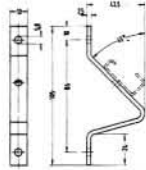
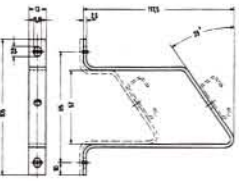


dimensions:

	2.5 mm ²	4 mm ²	6 mm ²	10 mm ²
thick	1.5 mm	1.5 mm	1.5 mm	1.5 mm
B	48	48	54	61.5
H	60	60	65	74.5
	16 mm ²	35 mm ²	70 mm ²	
thick	2 mm	2 mm	2 mm	
B	73	82	101	
H	77.7	88.2	106.7	



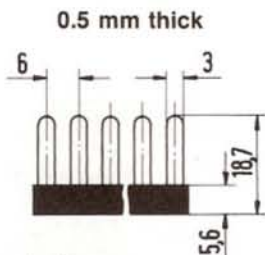
Colour: Yellow
Marking systems see pages 60, 61, 62

WK Series — Accessories

Snap-on Cover			Test Plugs & Stud Bolts			Angled Support Bracket																										
			Stud Bolts for Test Plugs			Materials: bracket and screws steel, zinc plated																										
Terminal	Cat. No.	Std. Pack	Terminal	Cat. No.	Std. Pack																											
WK 2,5	04.325.5056.8	100	WK 2,5	05.509.6021	50	Each bracket is supplied with a 5 mm screw, nut & washer for attaching the mounting rail.																										
WK 4	04.325.5156.8	100	WK 4	05.508.8921	50				<table border="1"> <thead> <tr> <th>Type</th> <th>Cat. No.</th> <th>Std. Pack</th> </tr> </thead> <tbody> <tr> <td>9018 N</td> <td>Z5.516.2811</td> <td>50</td> </tr> <tr> <td>9018 H</td> <td>Z5.516.2711</td> <td>100</td> </tr> <tr> <td>9018 D</td> <td>Z5.516.2511</td> <td>50</td> </tr> </tbody> </table>			Type	Cat. No.	Std. Pack	9018 N	Z5.516.2811	50	9018 H	Z5.516.2711	100	9018 D	Z5.516.2511	50									
Type	Cat. No.	Std. Pack																														
9018 N	Z5.516.2811	50																														
9018 H	Z5.516.2711	100																														
9018 D	Z5.516.2511	50																														
WK 6	04.325.5256.8	100	WK 6	05.508.3221	50																											
WK 10	04.325.5356.8	100	WK 10	05.509.3121	50																											
WK 16	04.325.5456.8	100	WK 16	05.508.3121	50	<table border="1"> <thead> <tr> <th>Terminal Type</th> <th>Cat. No.</th> <th>Std. Pack</th> </tr> </thead> <tbody> <tr> <td>WK 2,5 ST 2/2,3</td> <td>Z5.553.2921</td> <td>50</td> </tr> <tr> <td>WK 4 ST 2/2,3</td> <td>Z5.553.2921</td> <td>50</td> </tr> <tr> <td>WK 6 ST 2/4</td> <td>Z5.553.3021</td> <td>50</td> </tr> <tr> <td>WK 10 ST 2/4</td> <td>Z5.553.3021</td> <td>50</td> </tr> <tr> <td>WK 16 ST 2/4</td> <td>Z5.553.3021</td> <td>50</td> </tr> <tr> <td>WK 35 ST 2/4</td> <td>Z5.553.3021</td> <td>50</td> </tr> <tr> <td>WK 70 ST 2/4</td> <td>Z5.553.3021</td> <td>50</td> </tr> </tbody> </table>			Terminal Type	Cat. No.	Std. Pack	WK 2,5 ST 2/2,3	Z5.553.2921	50	WK 4 ST 2/2,3	Z5.553.2921	50	WK 6 ST 2/4	Z5.553.3021	50	WK 10 ST 2/4	Z5.553.3021	50	WK 16 ST 2/4	Z5.553.3021	50	WK 35 ST 2/4	Z5.553.3021	50	WK 70 ST 2/4	Z5.553.3021	50
Terminal Type	Cat. No.	Std. Pack																														
WK 2,5 ST 2/2,3	Z5.553.2921	50																														
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WK 6 ST 2/4	Z5.553.3021	50																														
WK 10 ST 2/4	Z5.553.3021	50																														
WK 16 ST 2/4	Z5.553.3021	50																														
WK 35 ST 2/4	Z5.553.3021	50																														
WK 70 ST 2/4	Z5.553.3021	50																														
WK 35	04.325.5556.8	20	WK 35	05.508.6521	50	<table border="1"> <thead> <tr> <th>Terminal Type</th> <th>Cat. No.</th> <th>Std. Pack</th> </tr> </thead> <tbody> <tr> <td>WK 2,5 ST 2/2,3</td> <td>Z5.553.2921</td> <td>50</td> </tr> <tr> <td>WK 4 ST 2/2,3</td> <td>Z5.553.2921</td> <td>50</td> </tr> <tr> <td>WK 6 ST 2/4</td> <td>Z5.553.3021</td> <td>50</td> </tr> <tr> <td>WK 10 ST 2/4</td> <td>Z5.553.3021</td> <td>50</td> </tr> <tr> <td>WK 16 ST 2/4</td> <td>Z5.553.3021</td> <td>50</td> </tr> <tr> <td>WK 35 ST 2/4</td> <td>Z5.553.3021</td> <td>50</td> </tr> <tr> <td>WK 70 ST 2/4</td> <td>Z5.553.3021</td> <td>50</td> </tr> </tbody> </table>			Terminal Type	Cat. No.	Std. Pack	WK 2,5 ST 2/2,3	Z5.553.2921	50	WK 4 ST 2/2,3	Z5.553.2921	50	WK 6 ST 2/4	Z5.553.3021	50	WK 10 ST 2/4	Z5.553.3021	50	WK 16 ST 2/4	Z5.553.3021	50	WK 35 ST 2/4	Z5.553.3021	50	WK 70 ST 2/4	Z5.553.3021	50
Terminal Type	Cat. No.	Std. Pack																														
WK 2,5 ST 2/2,3	Z5.553.2921	50																														
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WK 70	04.325.5656.8	20				<table border="1"> <thead> <tr> <th>Terminal Type</th> <th>Cat. No.</th> <th>Std. Pack</th> </tr> </thead> <tbody> <tr> <td>WK 2,5 ST 2/2,3</td> <td>Z5.553.2921</td> <td>50</td> </tr> <tr> <td>WK 4 ST 2/2,3</td> <td>Z5.553.2921</td> <td>50</td> </tr> <tr> <td>WK 6 ST 2/4</td> <td>Z5.553.3021</td> <td>50</td> </tr> <tr> <td>WK 10 ST 2/4</td> <td>Z5.553.3021</td> <td>50</td> </tr> <tr> <td>WK 16 ST 2/4</td> <td>Z5.553.3021</td> <td>50</td> </tr> <tr> <td>WK 35 ST 2/4</td> <td>Z5.553.3021</td> <td>50</td> </tr> <tr> <td>WK 70 ST 2/4</td> <td>Z5.553.3021</td> <td>50</td> </tr> </tbody> </table>			Terminal Type	Cat. No.	Std. Pack	WK 2,5 ST 2/2,3	Z5.553.2921	50	WK 4 ST 2/2,3	Z5.553.2921	50	WK 6 ST 2/4	Z5.553.3021	50	WK 10 ST 2/4	Z5.553.3021	50	WK 16 ST 2/4	Z5.553.3021	50	WK 35 ST 2/4	Z5.553.3021	50	WK 70 ST 2/4	Z5.553.3021	50
Terminal Type	Cat. No.	Std. Pack																														
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WK 16 ST 2/4	Z5.553.3021	50																														
WK 35 ST 2/4	Z5.553.3021	50																														
WK 70 ST 2/4	Z5.553.3021	50																														
Colour: Yellow Transparent with international warning symbol			Test Plugs																													
			2.3 mm ϕ — red 2,5/4 mm ²																													
			4 mm ϕ — black 10/16/25/35 mm ²																													
Switchable Connecting Link			Jumper Plug																													
Terminal	Cat. No.	Std. Pack	Cat. No.			Std. Pack																										
WK 2,5	Z7.269.4023	50	Z5.553.9400			100																										
WK 4	Z7.269.4123	50																														
WK 6	Z7.269.4223	50	For all terminals 6 mm wide Use test plug bolt part no. 05.508.8821																													
WK 10	Z7.269.4323	50																														
WK 16	Z7.269.4423	50																														
WK 35	Z7.269.4523	50																														
connecting link: copper, nickel plated distance sleeve: brass, nickel plated screw: steel, zinc plated																																



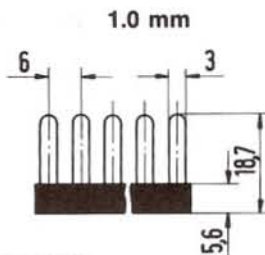
Insulated Jumper Bar



for terminals

9700 B/6 E
9700/6 TKS

Insulated Jumper Bar



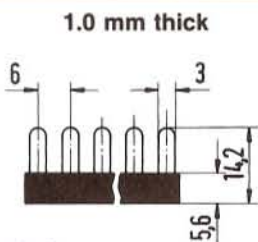
for terminals

WK 4 TKG/15
WK 4 TKS/15
WK 4 TKG/U
WK 4 TKS/U

No. of poles	Cat. No.	Std. Pack
2	Z7.255.0227	100
3	Z7.255.0327	100
4	Z7.255.0427	100
5	Z7.255.0527	100
6	Z7.255.0627	100
7	Z7.255.0727	100
8	Z7.255.0827	100
9	Z7.255.0927	100
10	Z7.255.1027	100
11	Z7.255.1127	100
12	Z7.255.1227	100

No. of poles	Cat. No.	Std. Pack
2	Z7.255.4227	100
3	Z7.255.4327	100
4	Z7.255.4427	100
5	Z7.255.4527	100
6	Z7.255.4627	100
7	Z7.255.4727	100
8	Z7.255.4827	100
9	Z7.255.4927	100
10	Z7.255.5027	100
11	Z7.255.5127	100
12	Z7.255.5227	100

Insulated Jumper Bar

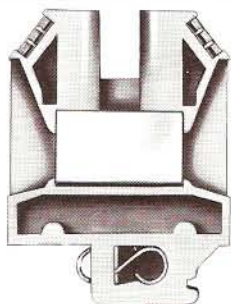


for terminals

WK 4 E/32

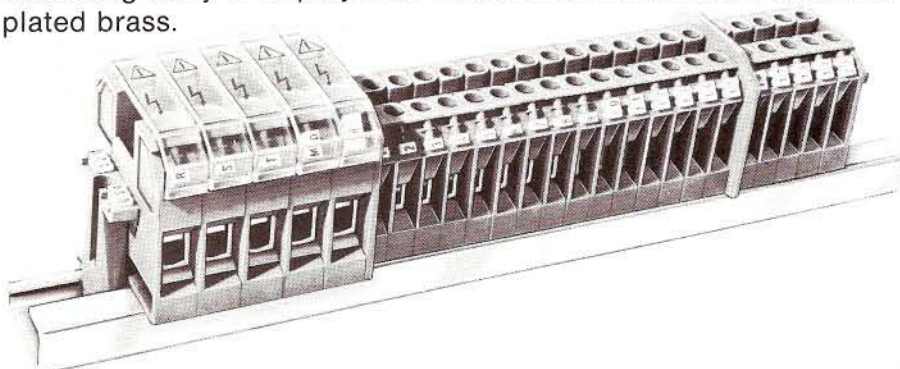
No. of poles	Cat. No.	Std. Pack
2	Z7.255.2227	100
3	Z7.255.2327	100
4	Z7.255.2427	100
5	Z7.255.2527	100
6	Z7.255.2627	100
7	Z7.255.2727	100
8	Z7.255.2827	100
9	Z7.255.2927	100
10	Z7.255.3027	100
11	Z7.255.3127	100
12	Z7.255.3227	100

9700 B Series — Terminal Blocks



Type 9700 B

This generation of break resistant modular terminals features high creepage and clearance ratings. Insulating body is of polyamid 6.6, and connectors are of nickel plated brass.



Rapid Mounting System — for the 5, 6 and 8 mm terminals

Reduces assembly time by 90%

The terminals are packed in rows of 10 in specially designed cardboard boxes before shipment. The insertion tool picks up 10 terminals at a time and with an easy manual action they are mounted on the mounting rail.

Rapid insertion tools will be supplied at no charge.

For Terminals	9700 B/5	9700 B/6	9700 B/8
Installation Tool No.	05.593.5853	05.593.4153	05.593.5953

Marking of Terminal Blocks

All marking systems offered fit into the moulded slots of the insulating body and can be inserted after rail assembly and after connecting conductors to the terminals for the 9700 B Series. All marking tags are made of polyamid 6.6, the same material as used for the terminals themselves.

Rapid Marking Systems — for the 5, 6 and 8 mm terminals

Reduces marking time by 80%

White marker strip of Polyamid 6.6 covering 10 terminals, blank or with inscription 1 - 10, 11 - 20, etc. up to 981 to 990, 991 to 999

Type 9705 A/5/10 for terminals 9700 B/5

Type 9705 A/6/10 for terminals 9700 B/6

Type 9705 A/8/10 for terminals 9700 B/8

Tear-off Marking Strips — for entire 9700 B Series terminals

The WIBA type 9704A tags are supplied in sets of 10 on tear-off marking strip. Each set is marked 0 to 9 or alternatively with the same digit. This facilitates simple and quick fitting of the tags into the terminals, especially in the case of a sequential numbering system. Three slots in terminal blocks will allow markings up to 3 digits.

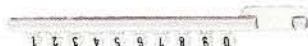
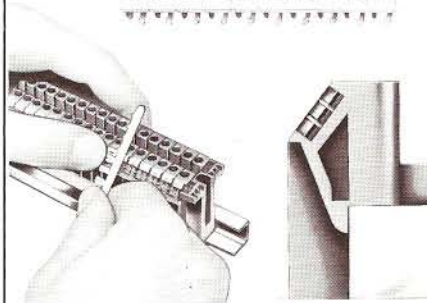
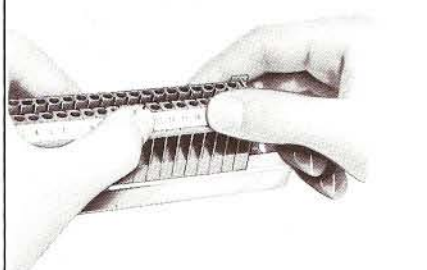
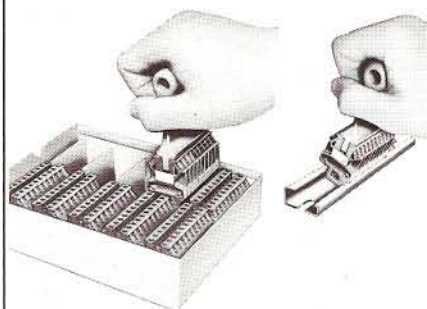
Other Marking Facilities

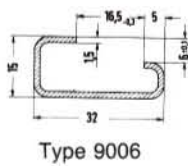
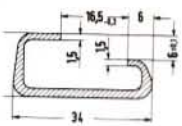
4 digit or letter Tag Carriers Type 9705 A/4

6 digit or letter Tag Carriers Type 9705 A/6

(To be used with tear-off marking strip type 9704 A Tags)

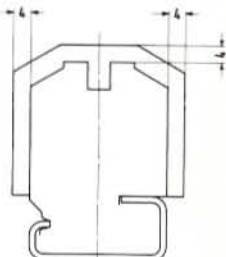
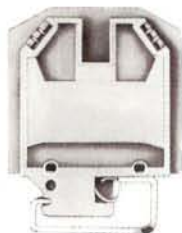
Snap on covers with warning symbol.





Type 9006 AL

Type 9006



Terminals

Temperature Range: 100°C continuous, 170°C short term

Rated Voltage: 600V

Meets the creepage and air gap distances as specified by CSA and UL

Creepage distance 12.7 mm

Clearance 9.6 mm

Conductors: AWG No. 2 and smaller

All terminal blocks are suitable for receiving very fine wires

Connectors: Screw clamp type connectors. All parts are of nickel-plated brass which provides cathodic protection. The pressure member is not a current carrying part and is thermally stress relieved. The openings for the conductors and clamp dimensions are so designed that solder dipping or sleeving of wire-ends not necessary.

Insulation: Polyamid 6.6. The insulation housing has especially designed terminal screw entry holes to facilitate the use of electrically or pneumatically operated screwdrivers without the blade jumping out of the hole. The use of Polyamid 6.6 also eliminates the danger of breakage when inserting screwdrivers into the entry hole. Standard colour-grey.

Spring Clip: Steel, zinc plated, di-chromated

Note: The spring clip retains the terminal on the mounting rail and is permanently stressed. Dents or damage to the surface of the carrier is avoided by the shape of the spring which has a broad "S" profile.

Mounting Rails

Steel, zinc plated, di-chromated. Standard length 2 metres (6½ feet)

Also available in aluminum

The steel type assembly rail may carry a load of 143A

The Assembly rail made of aluminum may carry a load of 265A.

Accessories

End Plates: Material is polyamid 6.6.

Note: These push fit end plates are required to blank off the last terminal block in an assembly bank as otherwise the live parts would be exposed. They are also required if a smaller type of terminal block is fitted next to a large terminal unit.

Partition Plates: Material is polyamid 6.6.

Note: Required to increase the electrical clearances between terminals of different polarity or to provide greater visual indication of the functions of terminal blocks in a particular assembly bank. For safety reasons the partitions can only be removed by dismantling the assembly bank.

Accessories (cont)



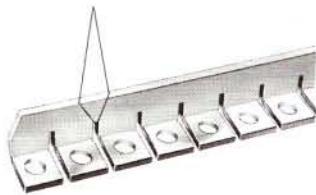
End Clamps: Material is polyamid 6.6.

Note: Required to prevent the terminal blocks being pushed along the mounting rail. They are mounted at each end of an assembly bank. The fastening screw does not act directly on the mounting rail and thus avoids damage to the surface finish of the rail.

The end clamps also have a recess for fitting up to six identification tags which may be desirable to identify a particular set of terminal blocks.

Two other types of end clamps are available. They are of nickel-plated brass and are specified on Page 31.

Cut diagonally



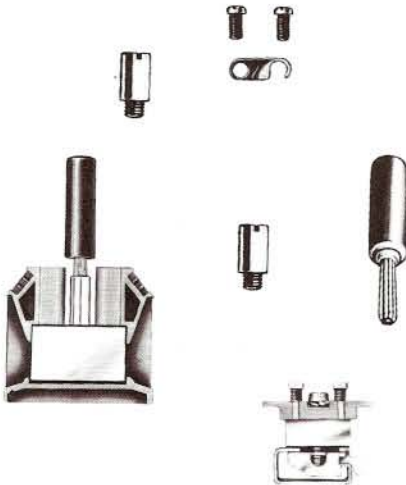
Cross Connectors: To achieve good electrical conductivity the cross connectors are manufactured of E-Cu (Electrolytic copper) and are supplied complete with the necessary quantity of screws. Standard lengths of 0.6 m can be cut easily by user, but due to manufacturing tolerances no more than 20 terminal blocks should be cross connected. The cross connectors can be fixed directly onto the terminals; no bushings or sleeves required. The insulating body is so designed as to allow the mounting of cross connectors without cutting out parts of the insulation.

Switch Cross Links: These are of nickel-plated brass and are supplied with a pair of screws. In addition, two nickel-plated stud bolts need to be ordered separately. These stud bolts are fitted into the centre receptacle of the terminal blocks. The connecting link is then screwed to the stud bolt. It is advisable to fit a partition plate on either side of the pair of terminals bridged with a switch cross link to provide more insulation.

Test Plugs: Insulated test plugs of nickel-plated brass are available in black or red. A socket type bolt has to be ordered separately. The socket is of nickel-plated brass and is screwed into the terminal so that the test plug (2.3 or 4 mm diameter) can then be inserted into the socket.

Ground Terminals:

These terminals can be mounted on the rail from above same as standard terminals. Type 9700/12E suitable for No. 4 AWG wire. Clamping screws are secure against self-loosening.





Description of Materials

Metal Parts

Pressure connector	— Nickel plated brass
Pressure screw	— Nickel plated brass
Current bar	— Copper or brass
Spring clip	— Steel, zinc plated and chromated

Insulating Body

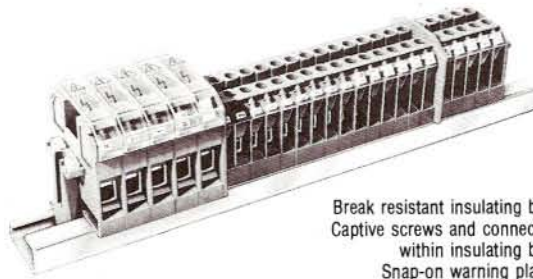
Polyamid 6.6 (High Tracking Resistance Nylon)

**Electrical and
Thermal Properties**

Dielectric Strength	40 kv/mm
Volume Resistivity	$10^{12} \Omega \text{ cm}$
Surface Resistivity	$10^{10} \Omega$
Dielectric Constant	5 at 1 k Hz
Continuous Operating Temperature Range	-60° C to + 100° C
Short Term Withstand Temperature	170° C

9700B Series — Terminal Blocks

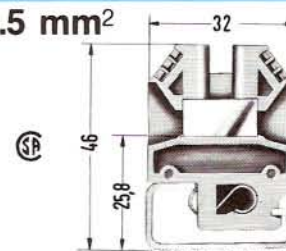
Note: Types 9700 B/5, 9700 B/6 and 9700B/8 also available in colours blue and yellow



Break resistant insulating body
Captive screws and connectors
within insulating body
Snap-on warning plates.











9700 B/5

2.5 mm²



Screw M3
Tightening
Torque
0,5 Nm

600V No 12 AWG max.
25 Amp.
Width 5 mm.
Stripping length 9 mm

description	material	type	no.	std. pkg. quantity	weight kg/100
modular terminal block	polyamid	9700 B/5	54.003.6053	100	0.55
 END PLATES for 9700 B/5 1.5 mm thick for 9700 B/6 1.5 mm thick for 9700 B/8 2.0 mm thick	Polyamid	9701/6	07.310.3153	50	0.15
 PARTITION PLATE	9700 B/5 9700 B/6 9700 B/8 Polyamid	9702/6	07.310.3453	50	0.24
	B 40 40 46 H 50 50 59.5 Thickness 1.5 1.5 2				
 CROSS CONNECTOR C/W SCREWS	0.6 m lengths 2 poles 3 poles 4 poles 5 poles 6 poles E-Cu	9703/5 M 9703/5-2 9703/5-3 9703/5-4 9703/5-5 9703/5-6	Z7.215.0027 Z7.215.0227 Z7.215.0327 Z7.215.0427 Z7.215.0527 Z7.215.0627	10 50 50 50 50 50	8.20 0.10 0.16 0.23 0.30 0.37
 STUD BOLT FOR SWITCH CROSS LINK	Brass, Nickel plated		05.508.8621	50	0.10
 SWITCH CROSS LINK	Brass, Nickel plated		Z7.269.2823	50	0.08
 SOCKET BOLT FOR TEST PLUG, 2.3 mm	Brass, Nickel plated	9011 D	05.508.8921	50	0.05
 TEST PLUG	Brass Nickel plated	ST 2/2,3 Red.	Z5.553.2921	50	0.20
 SNAP ON COVER WITH WARNING SYMBOL	Transparent plastic		04.325.1656	100	—
 MARKING TAG, UNMARKED, WHITE	Polyamid	9705 A	04.242.0850	500	—
 RAPID MARKING STRIP, UNMARKED RAPID MARKING STRIP, MARKED 1 to 10, 11 to 20...981 to 990, 991 to 999	Polyamid	9705 A/5/10 9705 A/5/10 B	04.242.5053 04.842.5053	25 25	— —
TEAR-OFF MARKING STRIP, UNMARKED TEAR-OFF MARKING STRIP, MARKED		9704 A 9704 A/1-0B			See page 62

9700B Series — Terminal Blocks



9700 B/6				9700 B/8			
<p>4 mm² Screw M3 Tightening Torque 0,5 Nm</p> <p>600V No 10 AWG max. 40 Amp. Width 6 mm Stripping length 9 mm</p>		<p>10 mm² Screw M4 Tightening Torque 1,2 Nm</p> <p>600V No 8 AWG max. 55 Amp. Width 8 mm. Stripping length 12 mm</p>		<p>Note: Types 9700 B/5, 9700 B/6 and 9700B/8 also available in colours blue and yellow</p>			
type	no	std. pkg. quantity	weight kg/100	type	no.	std. pkg. quantity	weight kg/100
9700 B/6	54.004.6053	100	0.70	9700 B/8	54.010.6053	100	1.60
9701/6	07.310.3153	50	0.15	9701/8	07.310.3253	50	0.30
9702/6	07.310.3453	50	0.24	9702/8	07.310.3553	50	0.40
9703/6 M	Z7.211.0027	10	7.60	9703/8 M	Z7.212.0027	10	12.1
9703/6-2	Z7.211.0227		0.14	9703/8-2	Z7.212.0227		0.27
9703/6-3	Z7.211.0327		0.21	9703/8-3	Z7.212.0327		0.44
9703/6-4	Z7.211.0427	50	0.28	9703/8-4	Z7.212.0427	50	0.61
9703/6-5	Z7.211.0527		0.35	9703/8-5	Z7.212.0527		0.78
9703/6-6	Z7.211.0627		0.42	9703/8-6	Z7.212.0627		0.95
	05.508.8621	50	0.15		05.508.8721	50	0.30
9012/2,5 UB	Z7.269.0623	50	0.09	9012/6	Z7.269.0523	50	0.19
9011 C	05.508.8821	50	0.05	9011 B	05.508.3221	50	0.10
ST 2/2.3 Red.	Z5.553.2921	50	0.20	ST 2/4 Black	Z5.553.3021	50	0.30
	04.325.1056	100	—		04.325.1156	100	—
9705 A	04.242.0850	500	—	9705 A	04.242.0850	500	—
9705 A/6/10	04.242.6053	25	—	9705 A/8/10	04.242.8053	25	—
9705 A/6/10 B	04.842.6053	25	—	9705 A/8/10 B	04.842.8053	25	—
9704 A				9704 A			
9704 A/1-0 B		See page 62		9704 A/1-0 B		See page 62	

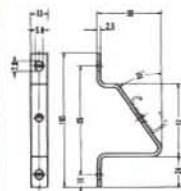
mounting rail



STEEL, ZINC PLATED DI-CHROMATED
Type 9006 No. 98.190.0000
Standard length: 2 m (6 1/2 lineal feet)
Weight: 1.5 kg each

ALUMINUM
Type 9006AL No. 98.210.0000
Standard length: 2 m (6 1/2 lineal feet)
Weight: 0.7 kg each

mounting bracket



STEEL, ZINC PLATED
Type 9018 H No. Z5.516.2711
Std. Pkg. Quantity: 100
Weight: 5 kg/100

end clamps



Brass, nickel plated, 5 mm wide
Type 9008U No. Z5.522.1321
Weight: 1 kg per 100



Polyamid, 7.5 mm wide
Type 9708 No. Z5.522.7053
Weight: 0.4 kg per 100



Steel, zinc plated, di-chromated, 10 mm wide
Type 9008 No. Z5.522.2423
Weight: 0.65 kg per 100

ground terminal



Brass, nickel plated
AWG No. 4
Type 9700/12E No. Z2.303.5421
Weight: 5.7 kg/100
Width: 16.7 mm.

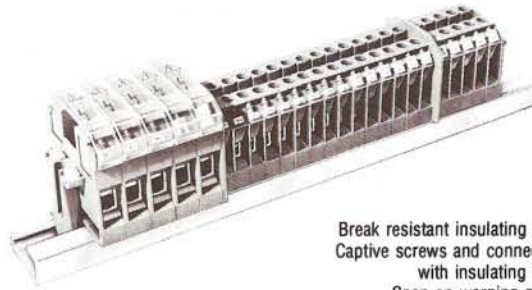
Brass, nickel plated
AWG No. 8
Type 9700/8E No. Z2.303.6321
Weight 3.4 kg per 100
Width 14.6 mm

See also page 9

2









9700B Series — Terminal Blocks

9700 B/10



Break resistant insulating body
Captive screws and connectors
with insulating body
Snap-on warning plates



description		material	type	no.	std. pkg. quantity	weight kg/100
modular terminal block		polyamid	9700 B/10	54.016.6053	100	2.7
	END PLATES 2 mm thick	Polyamid	9701/10	07.310.3953	50	0.4
	PARTITION PLATE 9700 B/10 B 51 9700 B/12 H 63 9700 B/16 Thickness 2	Polyamid	9702/10	07.310.4053	50	0.5
	CROSS CONNECTOR C/W SCREWS 0.6 m lengths 2 poles 3 poles 4 poles 5 poles 6 poles	E-Cu	9703/10 M	27.214.0027	10	20
	STUD BOLT FOR SWITCH CROSS LINK	Brass, Nickel plated		05.508.9721	50	0.4
	SWTICH CROSS LINK	Brass, Nickel plated	9012	Z7.269.0723	50	0.2
	SOCKET BOLT FOR TEST PLUG	Brass, Nickel plated	9011 A	05.508.3121	50	0.2
	TEST PLUG	Brass, Nickel plated	ST 2/4 Black	Z5.553.3021	50	0.3
	SNAP ON COVER WITH WARNING SYMBOL	Transparent plastic		04.325.1256	100	—
	Marking Tag, Unmarked		9705 A	04.242.0850	500	—
	Rapid Marking Strip, Unmarked Rapid Marking Strip, Marked 1-10, 11-20 Marking Strip, 991-999					
	Tear-off Marking Strip, Unmarked Tear-off Marking Strip, Marked		9704 A 9704 A/1-0 B			See page 62

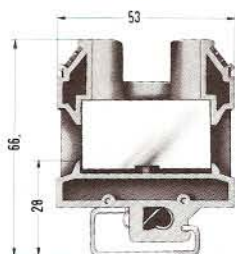
9700B Series — Terminal Blocks



9700 B/12

9700 B/16

25 mm²

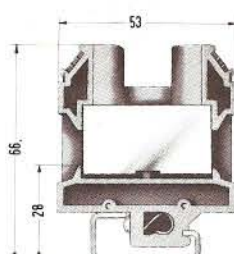


Screw
M6
Tightening
Torque
2,5 Nm



600V No 6 to 4 AWG
105 Amp.
Width 12 mm.
Stripping length 20 mm

35 mm²



Screw
M6
Tightening
Torque
2,5 Nm



600V No 6 to 2 AWG
140 Amp.
Width 16 mm.
Stripping length 20 mm

mounting rail



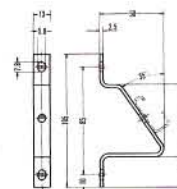
STEEL, ZINC PLATED DI-CHROMATED

Type 9006 No. 98.190.0000
Standard length: 2 m (6½ lineal feet)
Weight: 1.5 kg each

ALUMINUM

Type 9006AL No. 98.210.0000
Standard length: 2 m (6½ lineal feet)
Weight: 0.7 kg each

mounting bracket



STEEL, ZINC PLATED

Type 9018H No. Z5.516.2711
Std. pkg. Quantity: 100
Weight: 5 kg/100

end clamps



Brass, nickel plated, 5 mm wide
Type 9008U No. Z5.522.1321
Weight: 1 kg per 100



Polyamid, 7.5 mm wide
Type 9708 No. Z5.522.7053
Weight: 0.4 kg per 100



Steel, zinc plated, di-chromated,
10 mm wide
Type 9008 no. Z5.522.2423
Weight: 0.65 kg per 100

ground terminal



Brass, nickel plated
AWG No. 4
Type 9700/12E No. Z2.303.5421
Weight: 5.7 kg/100
Width: 16.7 mm.

Brass, nickel plated
AWG No. 8
Type 9700/8E No. Z2.303.6321
Weight: 3.4 kg/100
Width: 14.6 mm

See also page 9

type	no.	std. pkg. quantity	weight kg/100	type	no.	std. pkg. quantity	weight kg/100
9700 B/12	54.025.6053	50	5.1	9700 B/16	54.035.6053	50	6.6
9701/12	07.310.3353	50	0.6	9701/12	07.310.3353	50	0.6
9702/12	07.310.3653	50	0.7	9702/12	07.310.3653	50	0.7
9703/12 M	Z7.213.0027	10	37.3	9703/16 M	Z7.216.0027	10	35.1
9703/12-2	Z7.213.0227		1.2	9703/16-2	Z7.216.0227		1.9
9703/12-3	Z7.213.0327		2.0	9703/16-3	Z7.216.0327		2.9
9703/12-4	Z7.213.0427	50	2.8	9703/16-4	Z7.216.0427	50	3.9
9703/12-5	Z7.213.0527		3.6	9703/16-5	Z7.216.0527		4.9
9703/12-6	Z7.213.0627		4.4	9703/16-6	Z7.216.0627		5.9
	05.508.9821	50	0.7				
9034	Z7.269.0825	50	0.2				
	05.508.6521	50	0.3		05.508.6521	50	0.3
ST 2/4 Black	Z5.553.3021	50	0.3	ST 2/4 Black	Z5.553.3021	50	0.3
	04.325.1356	100	—		04.325.1456	100	—
9705 A	04.242.0850	500	—	9705 A	04.242.0850	500	—
9704A 9704A/1-B		See page 62		9704A 9704A/1-0B		See page 62	

2

9700B Series — Terminal Blocks

9700B/6 E

9700B/6 EA

Modular Terminal Blocks — Two Tiered

4 mm²

Screw M3

Tightening Torque 0,5 Nm



300V 14 AWG max.
10 Amp.
Width 6 mm
Stripping length 9 mm

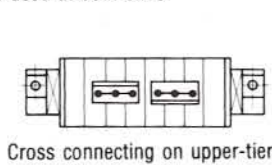
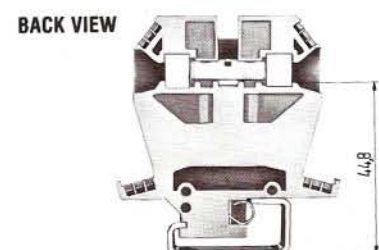
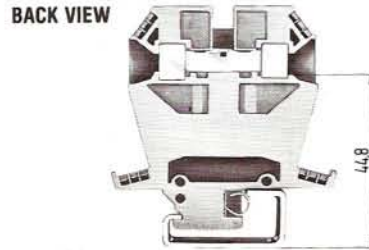
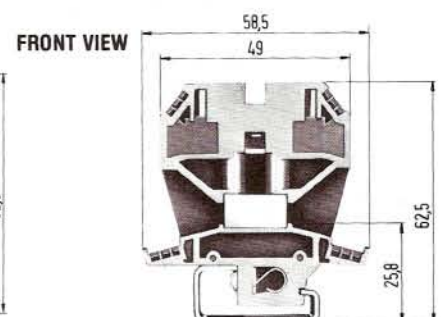
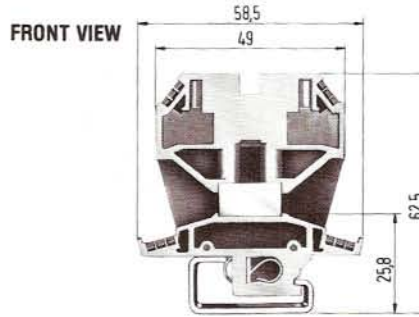
A 6 mm thick block incorporating 2 separate connectors. By the special arrangement of the two connectors, the clamping screws of each can be handled without interference with the already tightened conductors

Use the standard 2 Tier Terminal block type 9700 B/6E if cross connection on upper tier is contemplated exclusively.

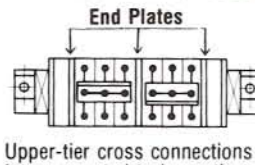
The special type 9700 B/6EA has to be used if interconnections between the upper tier and lower tier connectors are planned.

Lower tier poles cannot be cross connected.

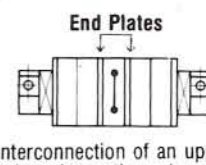
To maintain necessary creepage distance and air space between interconnected terminals and other terminals an end plate should be used at both ends.






Cross connecting on upper-tier



Upper-tier cross connections interconnected to lower tier



Interconnection of an upper-tier pole to lower-tier pole

description	material	type	no.	std. pkg. quantity	weight kg/100
2-TIER TERMINAL BLOCK, STANDARD	Polyamid	9700 B/6 E	54.004.7053	100	1.4
2-TIER TERMINAL BLOCK, SPECIAL	Polyamid	9700 B/6 EA	54.004.7153	100	1.4
END PLATE 1.5 mm thick	Polyamid	9701 B/6 E	07.310.5653	50	0.3
 <p>CROSS CONNECTOR C/W SCREWS (To cross connect on upper tier)</p>	0.6 m lengths E-Cu	9703/6 M	Z7.211.0027	10	7.60
		9703/6-2	Z7.211.0227		0.14
		9703/6-3	Z7.211.0327		0.21
		9703/6-4	Z7.211.0427	50	0.28
		9703/6-5	Z7.211.0527		0.35
		9703/6-6	Z7.211.0627		0.42
 <p>INTERCONNECTOR C/W SCREWS AND SLEEVES (To connect poles on upper tier to poles on lower tier.)</p>	E-Cu		Z7.211.1227		0.54
			Z7.211.1327		0.81
			Z7.211.1427	50	1.10
			Z7.211.1527		1.35
			Z7.211.1627		1.60
 <p>SLEEVE AND BOLT TO CONNECT AN UPPER AND LOWER TIER POLE</p>	Brass, Nickel plated		Z5.593.6121	50	0.23
		MARKING SYSTEMS		See p. 60, 61, 62	

Notes: (1) Stud bolts and switch cross links } use same as for
Socket bits and Test plugs } Type 9700 B/6
Marking System } See page 29

(2) Mounting Rails }
End clamps } See page 29
Grounding clamps }

(3) Suitable for use with rapid mounting tool No. 05.593.4153

9700B Terminal Blocks

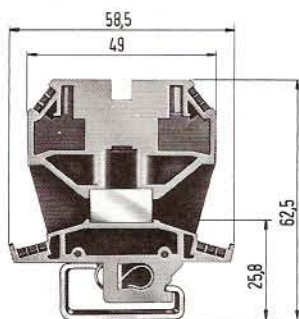


9700B/6 EA GU

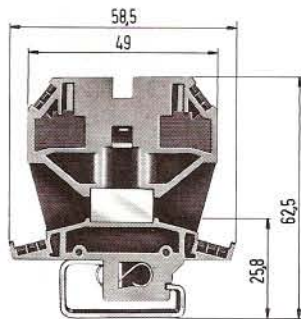
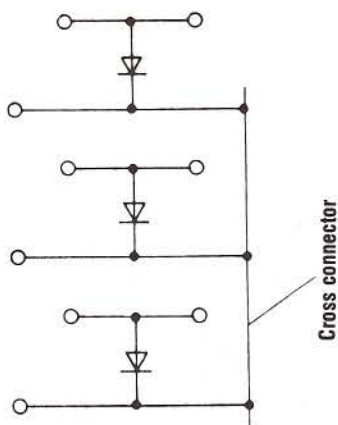
9700B/6 EA GO

9700B/6 EA LD

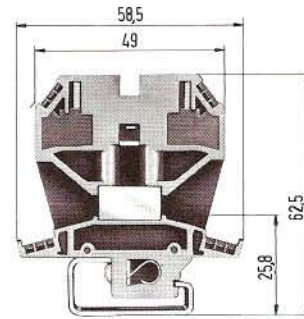
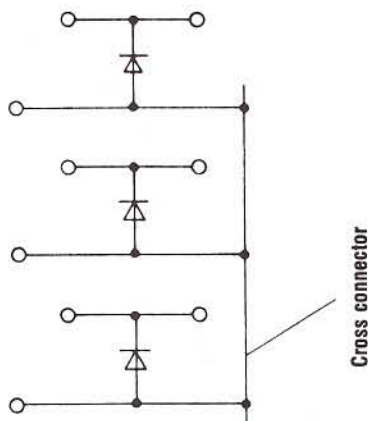
Two Tiered Type (cont'd)



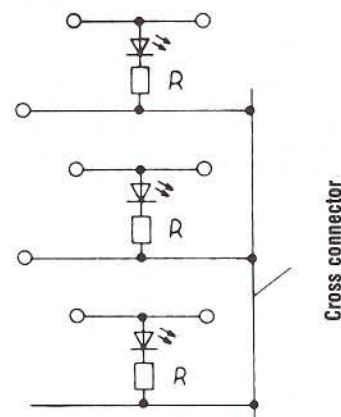
9700B/6EA GU
54.004.8153.9
Built in Diode 1N4007
Colour: orange



9700 B/6EA GO
54.004.8253
Built in Diode 1N4007
Colour: neutral



9700 B/6 EA LD
54.004.7253.9
Built in Light emitting Diode T1L 209B
and resistor KBT5 2.2 k Ω, 0.33W, 24V

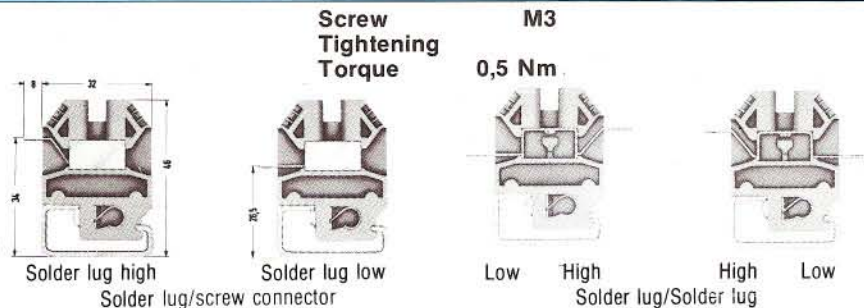


9700B/6 F1 9700B/6 F2 9700B/6 DF1 9700B/6 DF2


Modular Terminal Blocks with Solder Lugs

MATERIALS: Insulating body — Polyamid 6.6
Connectors — Brass, nickel plated
Solder lugs — Brass, hot dip galv.
Spring clip — Steel, zinc plated, di-chromated

To ensure proper creepage distances and clearances, terminals with solder lugs high should alternate with terminals with solder lugs low.



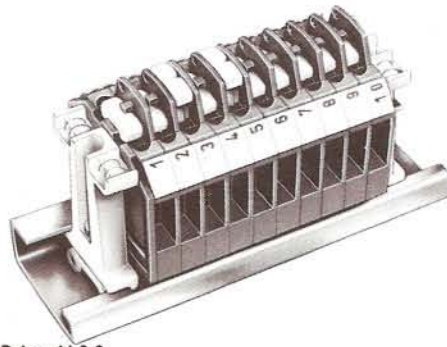
300V No 14 AWG max. 10 Amp. Width 6 mm. Stripping length 9 mm

description	material	type	no.	std. pkg quantity	weight kg/100
TERMINAL BLOCK, SCREW/SOLDER LUG LEFT HIGH	Polyamid	9700 B/6 F1	54.004.6553	100	0.73
TERMINAL BLOCK, SCREW/SOLDER LUG RIGHT LOW	Polyamid	9700 B/6 F2	54.004.6653	100	0.73
TERMINAL BLOCK, SOLDER LUG LEFT LOW, RIGHT HIGH	Polyamid	9700 B/6 DF1	54.004.6753	100	0.49
TERMINAL BLOCK, SOLDER LUG LEFT HIGH, RIGHT LOW	Polyamid	9700 B/6 DF2	54.004.6853	100	0.49
 END PLATE 1.5 mm thick	Polyamid	9701/6	07.310.3153	50	0.15
PARTITION PLATE 1.5 mm thick	Polyamid	9702/6	07.310.3453	50	0.24

9700B Series — Terminal Blocks

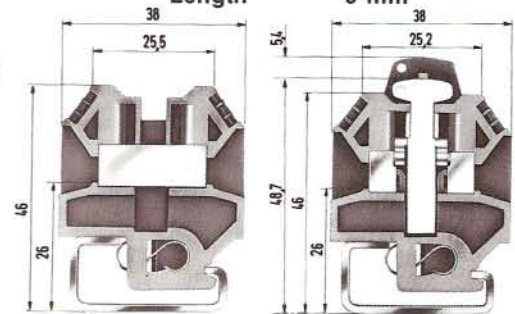
9700B/6 TKS

Modular Disconnect Terminal Blocks and Matching Through Terminals



MATERIALS: Insulating body — Polyamid 6.6
 Disconnect plug — Polyamid 6.6.
Connector:
 disconnect terminal — brass, silver plated
 through terminal — brass, nickel plated
 Disconnect contacts — Beryllium Copper, silver plated
 Pressure screws — Brass, nickel plated
 Spring clip — Steel, zinc plated, di-chromated

Screw M3
 Tightening Torque 0,5 Nm
 Stripping Length 9 mm



Through terminal
9700 B/6 TKS D

Disconnect terminal
9700 B/6 TKS P1

300 V 10 Amp. No. 12 AWG
 Width 6mm

To disconnect a circuit insert the tip of a screw driver under the white disconnect plug and exert a slight upward push. The circuit is disconnected as soon as the plug springs up and the red signal rod disappears. To reestablish the circuit push the head of the disconnect plug down until a click is heard and the red signal rod reappears. The disconnect plugs are captive at all times and consequently contacts cannot be damaged. The insulating body is formed to take electric or pneumatic screw drivers for tightening of the conductors.

One of the pressure connector screws of the disconnect terminal (right side) is a socket type screw, which will accommodate a test plug.

	description	material	type	no.	std. pkg. quantity	weight kg/100
	DISCONNECT TERMINAL WITH PARTITION	Polyamid	9700 B/6 TKS P1	54.004.3153	100	0.79
	DISCONNECT TERMINAL WITHOUT PARTITION	Polyamid	9700 B/6 TKS OR P1	54.004.3253	100	0.77
	THROUGH TERMINAL	Polyamid	9700 B/6 TKS D	54.004.7453	100	0.73
	END PLATE 1.5 mm thick	Polyamid	9701/6 TKS	07.310.4253	50	0.16
	TEST PLUG , 2.3 mm	Brass, Nickel plated	ST 2/2.3 red	Z5.553.2921	50	0.20
	CROSS CONNECTION 96.7 mm lengths For use up to 17 poles	E-Cu		99.000.9517.7	10	5.0
	TEAR-OFF MARKING STRIP - WHITE	Polyamid		See page 62		
	TAG CARRIER: for 4 digits or letters for 6 digits or letters	Polyamid	9705 A/4 9705 A/6	04.242.0950 04.242.1250	200 200	— —
	MARKING TAG, UNMARKED, WHITE	Polyamid	9705 A	04.242.0850	500	—
	RAPID MARKING STRIP, UNMARKED RAPID MARKING STRIP, MARKED 1 to 10, 11 to 20...981 to 990, 991 to 999	Polyamid	9705 A/6/10 9705 A/6/10 B	04.242.6053 04.842.6053	25 25	— —
	RAPID MARKING STRIP - 9 MARKERS 1 to 9	Polyamid	9705 A/6/9 B	04.842.5953	25	—
	Note: Mounting rails End clamps Grounding clamps					See page 29



Quick-connect terminals with flat tabs for clip-on connectors

MATERIALS: Insulating body — Polyamid 6.6
 Screw connector — Brass, nickel plated
 Flat tag pad — Brass, nickel plated
 Spring clip — Steel, zinc plated, di-chromated

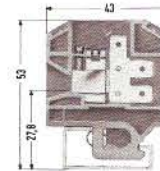
For clip-on connector: 6.3 x 0.8 mm (.250" x .032")

Before installing cross connections, backplate of terminal has to be punched out with special pliers No. 95.160.0001



300V 10 Amp.
 (Screw connector No. 12 AWG max.)

Screw Size M3
Tightening Torque 0,5 Nm
Stripping Length 9 mm



Type 9700/6 3S 1K

1 screw connection — left side
 2 clip-on connections — right side
 1 clip-on connection — top



Type 9700/6 5S

2 clip-on connections — left side
 2 clip-on connections — right side
 1 clip-on connections — top

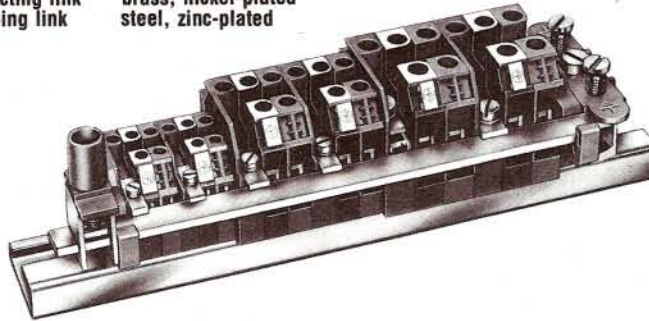
	description	material	type	no.	std. pkg. quantity	weight kg/100
	terminal terminal		9700/6 3S 1K	54.004.0453	100	0.92
			9700/6 5S	54.004.0553	100	0.70
	END PLATE 1.5 mm thick	Polyamid 6.6	9701/6 3S 1K	07.310.3853	50	0.25
	PARTITION PLATE , 0.3 mm thick with marking space	PVC white		07.310.3780	50	0.07
	CROSS CONNECTOR 0.6 m long c/w screws	E-Cu	2072 M	Z7.210.1027	10	8.00
	MARKING TAG, UNMARKED	Polystyrol	9003 C	04.241.0651	500	—
	MARKING TAG, UNMARKED ELONGATED	Polystyrol	9003 CL	04.241.0951	500	—
	RAPID MARKING STRIP, UNMARKED RAPID MARKING STRIP, MARKED 1 to 10, 11 to 20...991 to 1000	Polyamid 6.6	9003 C/6/10	04.241.8053	25	—
			9003 C/6/10B	04.841.8053	25	—
	RAPID MARKING STRIP, MARKED 1 to 9	Polyamid 6.6	9003 C/6/9B	04.841.7953	25	—
	MARKING TAGS , 50 per card unmarked MARKING TAGS , 50 per card, marked 1 to 10, 11 to 20...991 to 1000 Ind. figures 1 to 300 and letters A-Z	PVC	9303 C	04.243.0355	10	—
			9303 CB	04.843.0355	10	—
	Tag carriers for tear-off strips for 3 digits or letters for 4 digits or letters	Polystyrol	9003 C/3	04.242.1150	200	—
			9003 C/4	04.242.1050	200	—
	TEAR-OFF MARKING STRIPS	Polyamid 6.6	See page 62			
	INSULATION SLEEVE, YELLOW, WITH MARKING SURFACE for No. 16 AWG wire for No. 14 AWG wire	Polyamid 6.6		05.592.7553	1000	0.05
				05.592.7653	1000	0.05

9700B Series — Terminal Blocks

4 mm² (width 6 mm)

Neutral Terminals with Disconnecting Links — ETK 300 Volt. Ground Terminals — SL

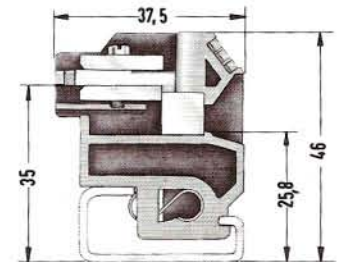
Materials: insulating housing polyamid
clamping part and screws brass, nickel-plated
spring clip steel, zinc-plated
connecting link brass, nickel-plated
clamping link steel, zinc-plated



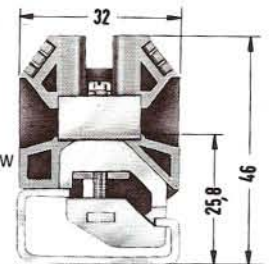
The new neutral test and disconnect terminals type 9700 B provide facilities for insulation test by opening the disconnecting link (Block A).

The ground terminals connect all ground conductors to the assembly rail which again must be connected to the main ground (Block B)



Screw M3
Tightening Torque 0,5 Nm
Stripping Length 9 mm



ETK
neutral terminal with disconnecting link
colour: blue



SL
ground terminal
colour: green-yellow

accessory	description	materials	type	part no.	Std. pkg: quantity	Weight kg/100	
	neutral terminal with disconnecting link ground terminals		9700 B/6 ETK 9700 B/6 SL	54.004.8053 54.004.9053	100 100	1.0 1.3	
	End plate	polyamid 6.6	9701/6 ETK L	07.310.4553	50	0.1	
	busbar support for neutral terminal busbar 10 x 3 mm	polyamid 6.6 spring clip: steel, zinc-plated	9701 B SH	Z1.106.0853	100	0.4	
	connecting terminals for busbar	width 25 mm ² 11.1 mm 35 mm ² 14.3 mm		steel, zinc-plated polyamid 6.6 blue	30.494.1110.6 30.494.2510.6	100 100	1.5 1.9
	busbar 10 x 3 mm length 1000 mm	E-Cu F 25	9813 M	98.290.0000	10	27.0	
	tear-off marking strip	polyamid 6.6	9704 A	see page 62			
	tag carrier for 4-digits for 6-digits	polyamid 6.6	9705 A/4 9705 A/6	04.242.0950 04.242.1250	200 200	— —	
	marking tag	polyamid 6.6 unmarked marked	9705 A 9705 AB	04.242.0850 04.842.0850	500 500	— —	
	cover	transparent plastic		04.325.0056	100	—	

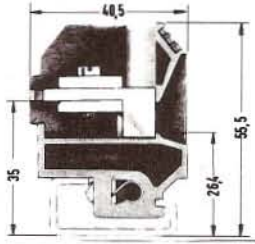
9700B Series — Terminal Blocks



10 mm² (width 8 mm)

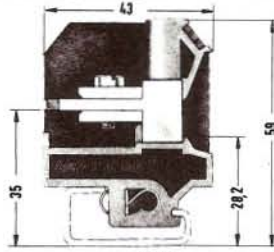
16 mm² (width 10 mm)

Screw M4
Tightening Torque 1,2 Nm
Stripping Length 12 mm

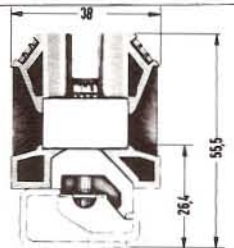


ETK
neutral terminal with disconnecting link
colour: blue

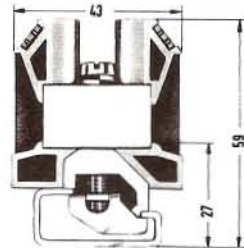
Screw M5
Tightening Torque 2,0 Nm
Stripping Length 15 mm



ETK
neutral terminal with disconnecting link
colour: blue



SL
ground terminal
colour: yellow-green



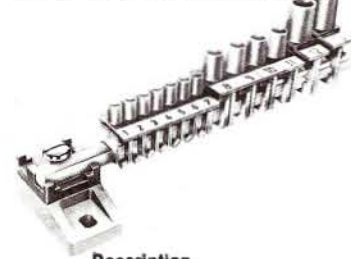
SL
ground terminal
colour: yellow-green

Insulated bus-bar support for earth/neutral bus-bar



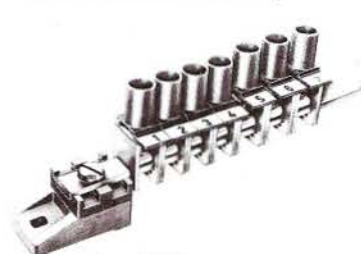
Insulated bus-bar support
The upper part of the block can be turned in any direction
Screw size for support block:
M5 x 15 for 6 mm thick bus-bar
M5 x 12 for 3 mm thick bus-bar

6 x 6 mm bus-bar with clamps



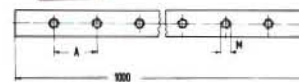
Description	No.
Bus-bar support block	19.230.0040
Copper bus-bar 6 x 6 x 2000 mm	98.320.0000
Clamps 4 mm ² (16-12 AWG) cap blue	30.494.0010.6
cap yellow/green	30.494.0010.7
Clamp 16 mm ² (10-6 AWG) cap blue	30.494.1010.6
cap yellow/green	30.494.1010.7
Clamp 25 mm ² (6-2 AWG) cap blue	30.494.1110.6
cap yellow/green	30.494.1110.7
Clamp 35 mm ² (2-1/0 AWG) cap blue	30.494.2510.6
cap yellow/green	30.494.2510.7

10 x 3 mm bus-bar with clamps



Description	No.
Bus-bar support block	19.230.0040
Copper bus-bar 10 x 3 x 1000	98.290.0000
Clamp 25 mm ² (6-2 AWG) cap blue	30.494.1110.6
cap yellow/green	30.494.1110.7
Clamp 35 mm ² (2-1/0 AWG) cap blue	30.494.2510.6
cap yellow/green	30.494.2510.7

15 x 3 mm bus-bar with screws



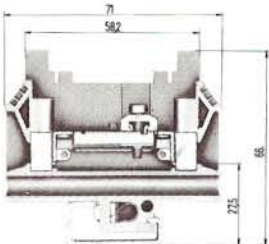
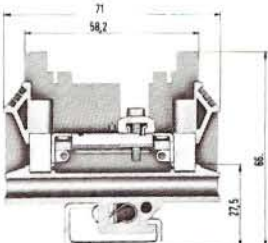
Description	No.
Bus-bar support block	19.230.0040
Brass bus-bar 15 x 3 x 1000mm A = 11.4 mm, screw M5	Z2.220.0421
Brass bus-bar 15 x 3 x 1000 mm A = 20 mm, screws M5	Z2.220.0121

Note: Bus-bar supplied c/w screws and washers.

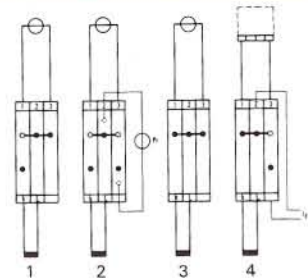
type	part no.	Std. pack quantity	Weight kg/100	type	part no.	Std. pack quantity	Weight kg/100
9700 B/8 ETK	54.010.8053	100	1.7	9700 B/10 ETK	54.016.8053	100	2.4
9700 B/8 SL	54.010.9053	100	2.6	9700 B/10 SL	54.016.9053	100	4.3
9701 B/8 ETK	07.310.5253	50	0.3	9701 B/10 ETK	07.310.5353	50	0.4
9701 B SH	Z1.106.0853	100	0.4	9701 B SH	Z1.106.0853	100	0.4
	30.494.1110.6	100	1.5		30.494.1110.6	100	1.5
	30.494.2510.6	100	1.9		30.494.2510.6	100	1.9
9813 M	98.290.0000	10	27.0	9813 M	98.290.0000	10	27.0
	See page 62				See page 62		
9705 A/4	04.242.0950	200	—	9705 A/4	04.242.0950	200	—
9705 A/6	04.242.1250	200	—	9705 A/6	04.242.1250	200	—
9705 A	04.242.0850	500	—	9705 A	04.242.0850	500	—
9705 AB	04.842.0850	500	—	9705 AB	04.842.0850	500	—
	04.325.0156	100	—		04.325.0256	100	—

2

9700B Series — Terminal Blocks

	9760B/8 SWK3	9760B/8 SWK4
Modular disconnecting terminal block	<p>10 mm² Screw M3 600 V. 25 AMP. 12 AWG</p> 	<p>10 mm²</p> 
	<p>Tightening Torque 0,5 Nm Stripping Length 9 mm Width 8 mm</p>	

Description	Type	Cat. No.	Wt. Std. kg/pack 100	Type	Cat. No.	Wt. Std. kg/Pack 100
for parallel conn. housing closed	9760 B/8 SWK 3	54.110.1053	50	9760 B/8 SWK 4	54.110.1153	50
for parallel conn. housing opened						
disconnecting terminal						
feed through terminal						
1. mounting rail TS 32						
Steel, zinc plated, length 2 m	9006	98.190.0000	10			
Aluminum length 2 m	9006 AL	98.210.0000	10			
2. End clamp steel 10 mm	9008	Z5.522.2423	100			
3. End Plate	9761 B/8	07.310.6053	25			
4. Cross connector C/W screws 0.6 m	9703/8 M	Z7.212.0027	10			
E-CU for 2 terminals	9703/8-2	Z7.212.0227	50			
for 3 terminals	9703/8-3	Z7.212.0327	50			
for 4 terminals	9703/8-4	Z7.212.0427	50			
for 5 terminals	9703/8-5	Z7.212.0527	50			
for 6 terminals	9703/8-6	Z7.212.0627	50			
5. Sliding links with screws						
Left side for 2 terminals		Z7.210.8227	50			
for 3 terminals		Z7.210.8327	50			
for 4 terminals		Z7.210.8427	50			
right side for 2 terminals		Z7.210.9027	50			
for 3 terminals		Z7.210.9127	50			
for 4 terminals		Z7.210.9227	50			
6. Stud bolt		05.509.3021	50			
7. Disconnecting links						
for 2 terminals	9863/2	07.251.6223	50			
for 3 terminals	9863/3	07.251.6323	50			
for 4 terminals	9863/4	07.251.6423	50			
for 5 terminals	9863/5	07.251.6523	50			
for 6 terminals	9863/6	07.251.6623	50			
8. Stud bolt for test plug		05.509.3121	50			
9. Test plug	ST 2/4	Z5.553.3021	50			
Marking systems		see page 60, 61, 62				

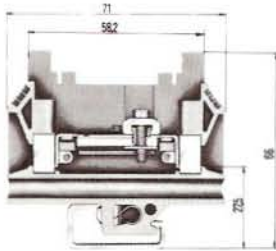


terminal arrangement for current transformer



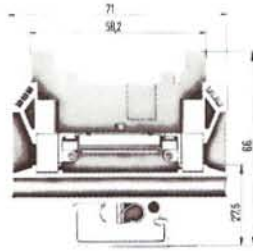
9760B/8 TK

10 mm²

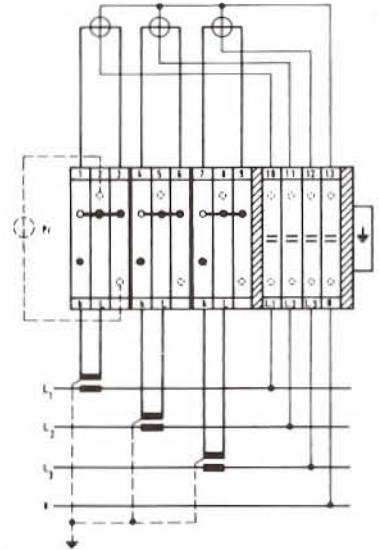


9760B/8 D

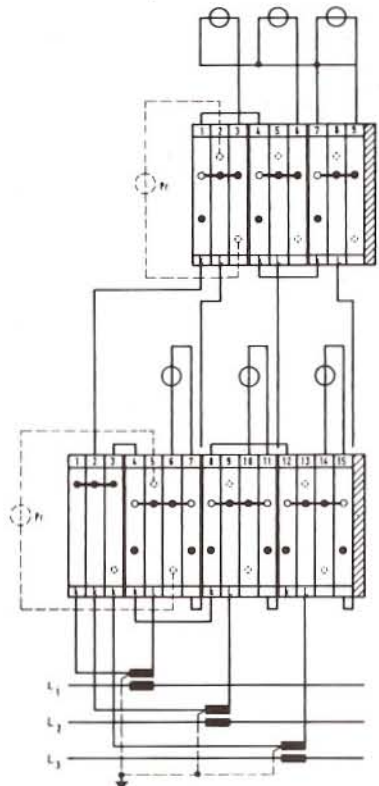
10 mm²



The modular disconnecting terminal blocks incorporate all the advantages of the Wiba terminal system. They can be used for fixed parallel connections, for switchable parallel connections and for switchable through-connections. When using type 9760 B/8 TK with two plug bolts, current can be measured without interrupting the circuit.

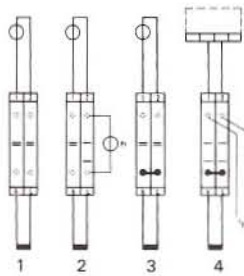


Three wattmeters
three phase measurement
9760 B/8 SWK 3, SWK 4 and 9760 B/8 TK



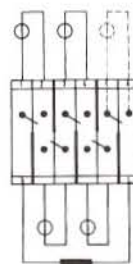
Testing three phase
current transformer system

Type	Cat. No.	Wt. Std. kg/ pack 100	Type	Cat. No.	Wt. Std. kg/ pack 100
9760 B/8 TK	54.110.0553	50	9760 B/8 D	54.110.0053	50



terminal arrangement for current transformer

7. Disconnecting links not applicable



series connection of instruments

7. Disconnecting links not applicable

9700B Series — Terminal Blocks

9786B/12

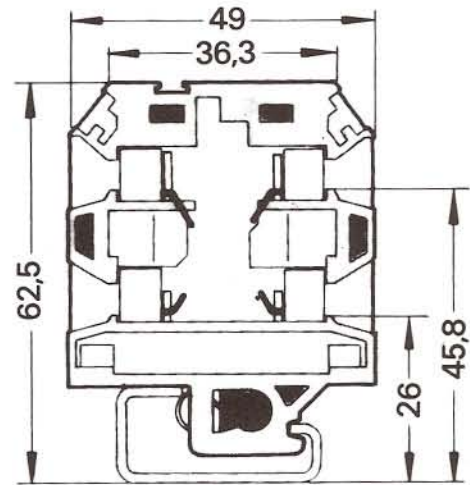
Two-tiered modular terminal blocks for electronic components

Screw Tightening Torque M3
Stripping Length 0,5 Nm
9 mm

FOR MOUNTING ON RAIL 9006

Materials: Insulating body — Polyamid 6.6
Connectors — brass nickel plated
Solder connection — E-Cu Zinc plated
Spring clip — steel, zinc plated, di-chromated

Each terminal block has 4 pressure connectors and 4 marking accommodations and will, therefore, serve 2 circuits. Wiring diagrams are printed on the top side of all terminal blocks.
Supplied complete with cover.



300 V
6 AMP.

Width 12 mm

Wiring diagram	Description	Type	Article No.	Std. Pack
	Terminal block with 4 pressure connectors and 4 solder connections inside 300 V.	9786 B/12	54.904.2053	50
	Terminal block with 2 pressure connectors serving as a through connector and 2 pressure connectors with 2 solder connecting inside	9786 B/12 D	54.904.2153	50
	Terminal block with 2 pressure connectors serving as a through connector and one built-in diode, Type 1N 4007	9786 B/12D-G1	54.904.2253	50
	Terminal block with 2 built-in diodes, Type 1N 4007	9786 B/12 G2-4K	54.904.2353	50
	Terminal block with 3 pressure connectors and 2 built-in diodes, Type 1N 4007	9786 B/12 G2-3K	54.904.2453	50
	Terminal block with built-in full wave bridge rectifier, Type SK B1.2	9786 B/12 G4	54.904.2553	50
	Mounting rail 2 m long, steel zinc plated, di-chromated	9006	98.190.0000	—
	Mounting rail 2 m long, aluminum	9006AL	98.210.0000	—
	End clamp, Polyamid 7.5 mm wide	9708	Z5.522.7053	—
	Steel, zinc plated, di-chromated 10 mm wide	9008	Z5.522.2423	—
	Brass, nickel plated, di-chromated 5 mm wide	9008U	Z5.522.1321	—
	Cross connector 0.6 m long (50 poles per length)	E-Cu	VB 9786 M	07.253.0027
	Tear-off marking strip	Polyamid 6.6.	see Page 62	
	Tag carrier: for 4 digits or letters	Polyamid 6.6	9705 A/4	04.242.0950
	for 6 digits or letters		9705 A/6	04.242.1250
	Marking tag, unmarked	Polyamid 6.6	9705 A	04.242.0850
			9705 AB	04.842.0850
	Rapid marking strip, unmarked	Polyamid 6.6	9705 A/6/10	04.242.6053
	Rapid marking strip, marked 1 to 10, 11 to 20 ... 991 to 1000		9705 A/6/10 B	04.842.6053



9785 B

adjustable compensating terminal

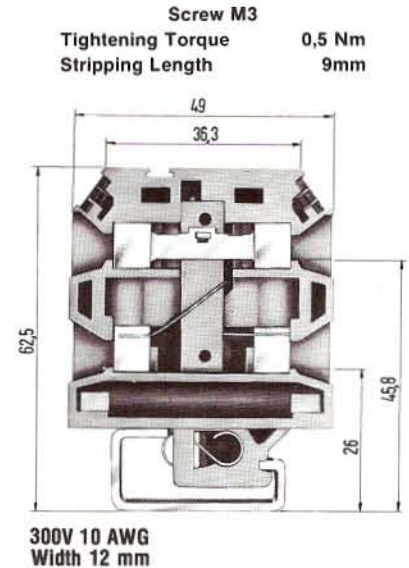
FOR MOUNTING ON RAIL TYPE 9006 (TS 32)


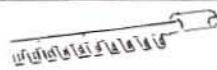
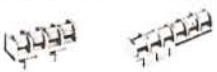


Materials: Insulating body — Polyamid 6.6
Connectors — brass nickel plated
Spring clip — steel, zinc plated, chromated

Each terminal block has 4 pressure connectors and 4 marking accommodations and will therefore serve 2 circuits. The lower tier connects to an adjustable resistor; the upper tier is a feed through terminal. One turn of resistor screw equals app. 0.5 ohm for the 9785B/10 and 1.0 ohm for the 9785 B/20.

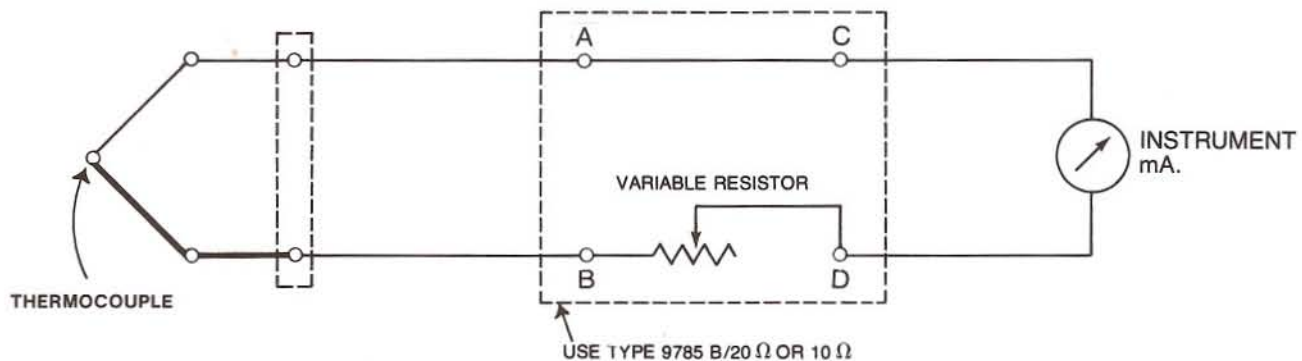
Also available with adjustable resistors of 50, 100, 200, 600 ohms and 1 and 2 k ohms.

ADJUSTABLE RESISTOR
Tolerance: 20%
Constant load: 0.75 W AT 70°C
Max. load: 100mA
Temp. coef.: 0 to +500 ppm/°C



Description	Type	Article No.	Std. Pack
Adjustable Compensating terminal with 10 Ω resistor	9785B/10	54.904.0053	50
Adjustable Compensating terminal with 20 Ω resistor	9785B/20	54.904.0153	50
Mounting rail 2 m long, steel	9006	98.190.0000	
Mounting rail 2 m long, aluminum	9006AL	98.210.0000	
End clamp, Polyamid 7.5 mm wide	9708	Z5.522.7053	
End clamp, Steel zinc plated 10 mm wide	9008	Z5.522.2423	
End clamp, Brass, nickel plated, 5 mm wide	9008U	Z5.522.1321	
 Cross connector 0.6 m long (50 poles per length)	VB 9786 M	07.253.0027	
 Tear-off marking strip		See Page 62	
 Tag carrier: for 4 digits or letters for 6 digits or letters	9705 A/4 9705 A/6	04.242.0950 04.242.1250	
 Marking tag, unmarked	9705 A 9705 AB	04.242.0850 04.842.0850	
 Rapid marking strip, unmarked Rapid marking strip, marked 1 to 10, 11 to 20...991 to 1000	9705 A/6/10 9705 A/6/10B	04.242.6053 04.842.6053	

Wiring diagram for thermocouple application



2

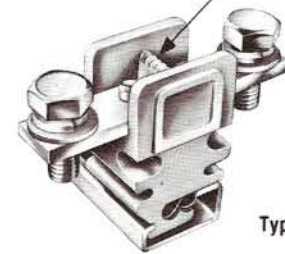
RFK Series - Terminal Blocks up to 500 mcm

FOR MOUNTING ON RAIL TYPE 9006 (TS 32)

MATERIALS: Insulating body — polyamid 6.6
 Current bar — E-Cu
 Bolts, spring washers — Steel, zinc galvanized
 Pressure stirrup — Steel, zinc galvanized
 Spring clip — Steel, zinc plated, di-chromated


600 V.

Six digit marking tag carrier







Type F



The pressure stirrups are of a sturdy and strong design with self locking bolt system.

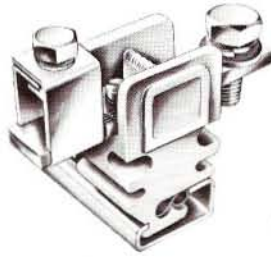
For added security the RFK terminals can be locked in place by a M 5 screw mounted to the pre-threaded hole located on the bottom of terminal. Drill 9006 rail 1/32" inches.

description	Wire Size	Wire Size	Material	type	no.	std. pkg. quantity	weight kg/100
	Metric	AWG MCM					
terminal	95 mm ²	3/0	Polyamid 6.6	RFK1/95 FPA	59.195.0053	10	18.7
terminal	150 mm ²	300	Polyamid 6.6	—	—	—	—
terminal	185 mm ²	400	Polyamid 6.6	RFK1/185 FPA	59.198.0053	10	30.5
terminal	240 mm ²	500	Polyamid 6.6	RFK1/240 FPA	59.199.0053	10	33.0
PARTITION/END PLATE FOR 95 mm²			Polyamid	TE/RFK1/95 PA	07.340.0353	50	3.4
PARTITION/END PLATE FOR 150-240 mm²			Polyamid	TE/RFK1/150-240PA	07.340.1053	50	3.7
M 5 SCREW			Brass, Nickel plated	AM5×12DIN933	06.065.0021	—	0.4
CROSS CONNECTOR	2 poles 3 poles 4 poles			VB RFK1/95/2/32 VB RFK1/95/3/32 VB RFK1/95/4/32	07.205.1227 07.205.1327 07.205.1427	— — —	9.1 15.0 21.0
							
	2 poles 3 poles 4 poles		E-Cu	VB RFK1/185/2 VB RFK1/185/3 VB RFK1/185/4	07.201.4227 07.201.4327 07.201.4427	— — —	8.0 13.2 18.4
	2 poles 3 poles 4 poles			VB RFK1/240/2 VB RFK1/240/3 VB RFK1/240/4	07.201.8227 07.201.8327 07.201.8427	— — —	10.7 17.5 24.3
	COVER		Polyamid-yellow Polyamid-yellow	— —	27.409.5753 27.409.5853	10 10	5.5 9.0

Mounting Rails See page 20
 End Clamps See page 20
 Ground clamps See page 9

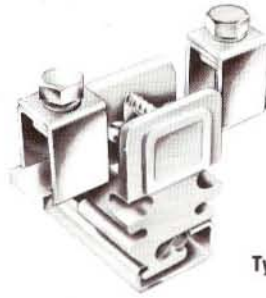
For markings see page 62

RFK Series - Terminal Blocks up to 500 mcm



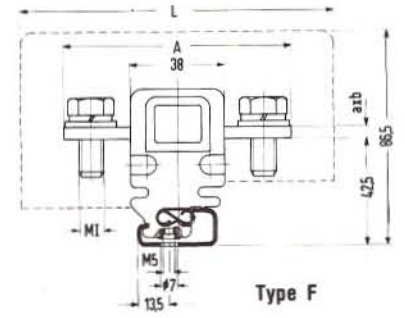
Type FK

600V

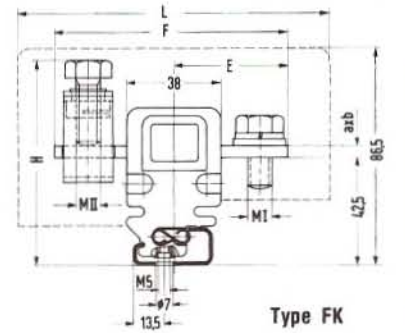


Type K

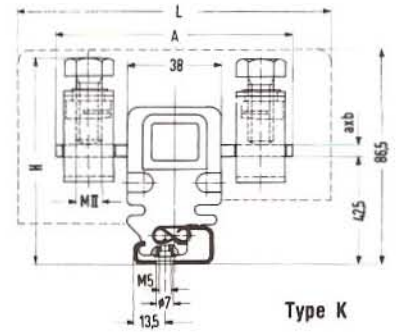
600V



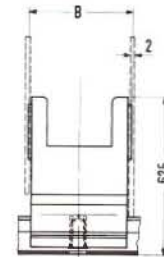
Type F



Type FK



Type K



type	no.	std. pkg. quantity	weight kg/100
RFK1/95 FKPA	59.195.0253	10	20.4
RFK1/150 FKPA	59.197.0253	10	35.2
RFK1/240 FKPA	59.199.0253	10	36.2
TE/RFK1/95PA	07.340.0353	50	3.4
TE/RFK1/150-240PA	07.340.1053	50	3.7
AM5×12DIN933	06.065.0021	—	0.4
VB RFK1/95/2/32	07.205.1227	—	9.1
VB RFK1/95/3/32	07.205.1327	—	15.0
VB RFK1/95/4/32	07.205.1427	—	21.0
VB RFK1/185/2	07.201.4227	—	8.0
VB RFK1/185/3	07.201.4327	—	13.2
VB RFK1/185/4	07.201.4427	—	18.4
VB RFK1/240/2	07.201.8227	—	10.7
VB RFK1/240/3	07.201.8327	—	17.5
VB RFK1/240/4	07.201.8427	—	24.3
—	Z7.409.5753	10	5.5
—	Z7.409.5853	10	9.0

type	no.	std. pkg. quantity	weight kg/100
RFK1/95 KPA	59.195.0153	10	22.0
RFK1/150 KPA	59.197.0153	10	37.0
RFK1/240 KPA	59.199.0153	10	42.0
TE/RFK1/95PA	07.340.0353	50	3.4
TE/RFK1/150-240PA	07.340.1053	50	3.7
AM5×12DIN933	06.065.0021	—	0.4
—	Z7.409.5753	10	5.5
—	Z7.409.5853	10	9.0

Screw M8 M10 M12
Tightening Torque 6Nm 10Nm 15,5Nm
Stripping Length 27mm 27mm 27mm

mm ²	a×b	M1	M11	B	H	L	A	F	E
95	5×18	M10	M8	32	78	180	92	—	—
150	6×26	M12	M10	42	85.5	200	92	—	—
185	6×26	M12	—	42	—	200	92	—	—
240	8×26	M12	M12	42	100.5	200	112	102	46

3

KR Series - Melamine Terminal Blocks

2.5 mm²

modular terminal blocks

FOR MOUNTING ON RAIL TYPE 9006 (TS 32)














MATERIALS: Insulating body — Melamine Type 150
Connectors — Brass, nickel plated
Spring clip — Steel, zinc plated, di-chromated

Screw M3
Tightening Torque
Stripping Length

0,5Nm
6mm


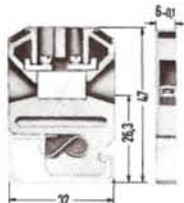
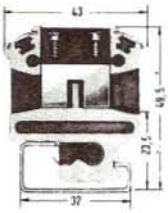
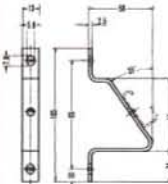



300V. No 12 AWG MAX.
25 Amp.
Width 6 mm.

description		material	type	no.	std. pkg. quantity	weight kg/100
terminal block		melamine	9050/2.5UBKAKR	50.104.2040	100	1.40
	END PLATE	Melamine	9051/2.5 UBKR	07.310.0940	50	0.32
	PARTITION PLATE 3 mm thick	Melamine	9041 TKR	07.310.0740	25	1.20
	CROSS CONNECTION C/W SCREWS AND LOCKWASHERS	E-Cu 2 poles 3 poles 4 poles E-Cu 5 poles 6 poles	2072/2 2072/3 2072/4 2072/5 2072/6	Z7.220.0227 Z7.220.0327 Z7.220.0427 Z7.220.0527 Z7.220.0627	50	0.07 0.11 0.15 0.19 0.29
	STUD BOLT FOR SWITCH CROSS LINK	Brass, nickel plated	9010 E	05.508.2821	50	0.10
	SWITCH CROSS LINK	Brass, nickel plated	9012/2.5 UB	Z7.269.0623	50	0.10
	SOCKET BELT FOR TEST PLUG	Brass, nickel plated	9011 C	05.508.8821	50	0.05
	TEST PLUG	Brass, nickel plated	ST2/2.3 red	Z5.553.2921	50	0.20
	MARKING TAG, UNMARKED	Polystyrol	9003 C	04.241.0651	100	—
	MARKING TAGS, 50 per card, unmarked MARKING TAGS, 50 per card, marked 1 to 10, 11 to 20...991 to 1000 Ind. figures 1 to 300 Letters A to Z	PVC	9303 C 9303 CB	04.243.0355 04.843.0355	10 10	— —
	RAPID MARKING STRIP, UNMARKED RAPID MARKING STRIP, MARKED 1 to 10, 11 to 20...981 to 990, 991 to 999	Polyamid	9003 C/6/10 9003 C/6/10B	04.241.8053 04.841.8053	25 25	— —
	RAPID MARKING STRIP, 9 MARKERS 1 to 9	Polyamid	9003 C/6/9B	04.841.7953	25	—
	TAG CARRIER: required for tear-off marking strips shown below.	Polystyrol	9003 C/4	04.242.1050	200	—
	TEAR-OFF MARKING STRIPS, WHITE	Polyamid	9704A	See page 62		

KR Series - Melamine Terminal Blocks



4 mm ²				6mm ²				
Screw M3 Tightening Torque Stripping Length		0,5 Nm 9mm		Screw M3 Tightening Torque Stripping Length		0,5 Nm 8mm		mounting rail  STEEL, ZINC PLATED DI-CHROMATED Type 9006 No. 98.190.0000 Standard length: 2 m (6 1/2 lineal feet) Weight: 1.5 kg each ALUMINUM Type 9006AL No. 98.210.0000 Standard length: 2 m (6 1/2 lineal feet) Weight: 0.7 kg each
 600V No. 10 AWG MAX 40 Amp. Width 6 mm				 600V No 8 AWG MAX. 55 Amp. Width 8 mm.				
type	no.	std. pkg. quantity	weight kg/100	type	no.	std. pkg. quantity	weight kg/100	
9210 KR	50.306.0040	100	1.0	9840KR	50.510.0040	100	1.60	
9201 KR	07.310.2440	50	0.30	9041. MKR	07.310.0440	50	0.60	mounting bracket  STEEL, ZINC PLATED Type 9018H No. Z5.516.2711 Std. pkg. Quantity: 100 Weight: 5 kg/100
9041 TKR	07.310.0740	25	1.20	9041 TKR	07.310.0740	25	1.20	
VB6/31Z	Z7.221.2227		0.12	9253/6 M	Z7.210.2027	10	10.1	(0.6 m. long, can be cut to desired length,)
VB6/32Z	Z7.221.2327		0.17					
VB6/33Z	Z7.221.2427	50	0.22					
VB6/34Z	Z7.221.2527		0.27					
VB6/35Z	Z7.221.2627		0.32					
	05.508.2721	50	0.05	9010 G	05.508.5821	50	0.2	
9012/2.5UB	Z7.269.0623	50	0.10	9012/6	Z7.269.0523	50	0.2	end clamps  Brass, nickel plated, 5 mm wide Type 9008U No. Z5.522.1321 Weight: 1 kg per 100 Polyamid, 7.5 mm wide Type 9708 No. Z5.522.7053 Weight: 0.4 kg per 100 Steel, zinc plated, di-chromated, 10 mm wide Type 9008 No. Z5.522.2423 Weight: 0.65 kg per 100
9011D	05.508.8921	50	0.05	9011 B	05.508.3221	50	0.1	
ST2/2.3 red	Z5.553.2921	50	0.20	ST2/4 red	Z5.553.3021	50	0.3	
9003C	04.241.0651	100	—	9203/6	04.241.0551	500	—	
9303C	04.243.0355	10	—	9303/6	04.243.0255	500	—	
9303CB	04.843.0355	10	—	9303/6 B	04.843.0255	50	—	
9003 C/6/10	04.241.8053	25	—					ground terminal Brass, nickel plated AWG No. 4 Type 9700/12E No. Z2.303.5421 Weight: 5.7 kg/100 Width: 16.7 mm. Brass, nickel plated AWG No. 8 Type 9700/8E No. Z2.303.6321 Weight: 3.4 kg per 100 Width: 14.6 mm.
9003 C/6/10 B	04.841.8053	25	—					
9003 C/6/9 B	04.841.7953	25	—					
9003 C/4	04.242.1050	200	—					
See page 62								See also page 9.

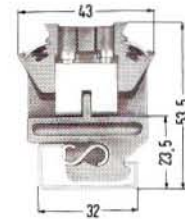
KR Series - Melamine Terminal Blocks

10mm²

modular terminal blocks













FOR MOUNTING ON RAIL LTYPE 9006 (TS 32)

Screw M4
Tightening Torque 1,2Nm
Stripping Length 9mm



600V No 6 AWG MAX
80 Amp.
Width 10 mm

MATERIALS: Insulating body — Melamine Type 150
Connectors — Brass, nickel plated (10 mm blocks)
E-Cu nickel plated (15.4 mm and 24.5 mm blocks)
Spring clip — Steel, zinc plated, di-chromated

	description	material	type	no.	std. pkg. quantity	weight kg/100
	terminal block	melamine	9040 KA KR	50.816.0040	100	2.60
	terminal block for No. 20 AWG wire	melamine	9140 KA KR	50.810.0040	100	2.60
	END PLATE	Melamine	9041 M KR	07.310.0440	50	0.60
	PARTITION PLATE 3 mm thick	Melamine	9041 TKR	07.310.0740	25	1.20
	CROSS CONNECTION — 1 m. long (can be cut to desired length) CROSS CONNECTION — 4 poles Both items supplied with screws and washers	E-Cu	9015 M	Z7.240.0027	10	17.20
			9015/4	Z7.240.0427	50	0.50
	CROSS CONNECTION C/W SCREWS AND LOCKWASHERS	Brass, Nickel plated	9016/2	Z7.230.0221		0.67
	2 poles		9016/3	Z7.230.0321		0.99
	3 poles		9016/4	Z7.230.0421	50	1.33
	4 poles		9016/5	Z7.230.0521		1.66
	5 poles		9016/6	Z7.230.0621		2.00
	6 poles					
	CROSS CONNECTION WITH RIGID PLASTIC SPACER AND E-Cu JUMPER BAR C/W SCREWS AND LOCKWASHERS		9014/2	Z7.290.2230		0.38
			9014/3	Z7.290.2330	25	0.60
			9014/4	Z7.290.2430		0.82
			9014/5	Z7.290.2530		1.04
	STUD BOLT FOR SWITCH CROSS LINK	Brass, nickel plated	9010 A	05.508.2421	50	0.25
	SWITCH CROSS LINK	Brass, nickel plated	9012	Z7.269.0723	50	0.22
	SOCKET BOLT FOR TEST PLUG	Brass, nickel plated	9011	05.508.3021	50	0.12
	TEST PLUG	Brass, nickel plated	ST2/4 black	Z5.553.3021	50	0.30
	MARKING TAG, UNMARKED	Polyamid	9203	04.241.0251	100	—
	MARKING TAGS, 50 per card, unmarked MARKING TAGS, 50 per card, marked 1 to 10, 11 to 20...991 to 1000 Ind. figures 1 to 300	PVC	9303	04.243.0055	10	—
			9303 B	04.843.0055	10	—
	PAPER MARKING TAGS, unmarked, 50 tags per card Transparent covers		9002 K	04.010.1089	1000	—
			9040 A	04.310.1180	1000	—
	SNAP ON COVER WITH WARNING SYMBOL	Transparent plastic		04.325.2656	100	0.02

KR Series - Melamine Terminal Blocks



25mm ²				70mm ²				mounting rail	
<p>600 Volt 2 AWG Max. 140 Amp</p> <p>Width 15.4 mm Screw M6 Tightening Torque 2,5 Nm Stripping Length 14mm</p>				<p>600 Volt 2/0 AWG Max 225 Amp</p> <p>Width 24.5mm Screw M8 Tightening Torque 6 Nm Stripping Length 20 mm</p>				<p>STEEL, ZINC PLATED DI-CHROMATED Type 9006 No. 98.190.0000 Standard length: 2 m (6½ lineal feet) Weight: 1.5 kg each</p> <p>ALUMINUM Type 9006AL No. 98.210.0000 Standard length: 2 m (6½ lineal feet) Weight: 0.7 kg each</p>	
type	no.	std. pkg. quantity	weight kg/100	type	no.	std. pkg. quantity	weight kg/100	mounting bracket	
9550/25-35 KR	52.125.0040	50	7.20	9550/50-70 KR	52.150.0040	20	23	<p>STEEL, ZINC PLATED Type 9018H No. Z5.516.2711 Std. pkg. Quantity: 100 Weight: 5 kg/100</p>	
9551/25-35 KR	07.310.2540	50	1.40	9551/50-70 KR	07.310.2640	10	2.40		
VB4/36 Z1	Z7.232.0221		0.29	VB4/41 Z	Z7.232.2221		11.40		
VB4/37 Z1	Z7.232.0321		0.45	VB4/42 Z	Z7.232.2321		17.90		
VB4/38 Z1	Z7.232.0421	25	0.62	VB4/43 Z	Z7.232.2421	25	24.50		
VB4/39 Z1	Z7.232.0521		0.77	VB4/44 Z	Z7.232.2521		31.30		
VB4/40 Z1	Z7.232.0621		0.93	VB4/45 Z	Z7.232.2621		37.80		
9010/25-35	05.508.4221	50	0.70					<p>Brass, nickel plated, 5 mm wide Type 9008U No. Z5.522.1321 Weight: 1 kg per 100</p> <p>Polyamid, 7.5 mm wide Type 9708 No. Z5.522.7053 Weight: 0.4 kg per 100</p> <p>Steel, zinc plated, di-chromated, 10 mm wide Type 9008 No. Z5.522.2423 Weight: 0.65 kg per 100</p>	
9012/25-35	Z7.269.1527	50	0.50						
9203	04.241.0251	100	—	9203	04.241.0251	100	—	<p>ground terminal</p> <p>Brass, nickel plated AWG No. 4 Type 9700/12E No. Z2.303.5421 Weight: 5.7 kg/100 Width: 16.7 mm.</p> <p>Brass, nickel plated AWG No. 8 Type 9700/8E No. Z2.303.6321 Weight: 3.4 kg per 100 Width: 14.6 mm.</p>	
9303	04.243.0055	10	—	9303	04.243.0055	10	—		
9303 B	04.843.0055	10	—	9303 B	04.843.0055	10	—		
9550/25-35 K	04.010.2289	1000	—	9550/50-70 K	04.010.2389	—	—		
9550/25-35 A	04.310.2180	1000	—	9550/50-70 A	04.310.2280	—	—		

See also page 9.

KR Series - Melamine Terminal Blocks

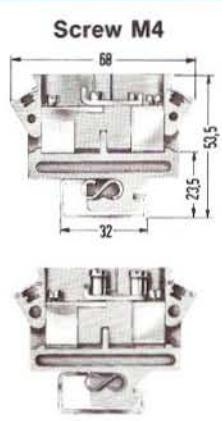
FOR MOUNTING ON RAIL TYPE 9006

MATERIALS: Insulating body — Melamine, Type 150
 Metal parts — Brass, nickel plated
 Spring clip — Steel, zinc plated, di-chromated

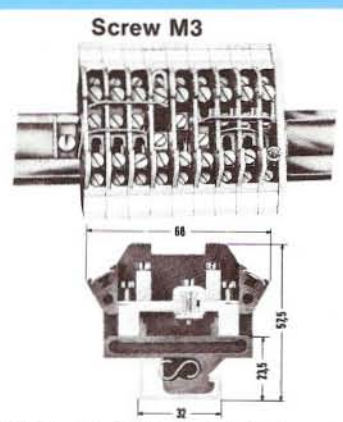
These test terminals allow the circuit to be opened and closed by means of a sliding link. The position of the sliding link is at all times clearly visible.







Sliding link with socket screw to accommodate test plugs 4 mm.



Screw M4
 600V No 8 AWG max.
 80 Amp.
 Width 10 mm.
 Tightening Torque 1,2 Nm
 Stripping Length 9mm



Screw M3
 600V No 10 AWG Width 8 mm.
 Tightening Torque 0,5 Nm
 Stripping Length 9mm
 Additional facilities for cross-connections up to 4 poles will allow all possible switching combinations

description	material	type	no.	std. pkg. quantity	weight kg/100	type	no.	std. pkg. quantity	weight kg/100
test terminal (1)	melamine								
test terminal WITH SOCKET SCREWS (2)		9160	APTKKAKR	59.910.0340	50 4.10				
test terminal WITH SOCKET PRESSURE SCREWS		9160	APTKPKAKR	59.910.0440	50 4.10				
test terminal		9160	APTKPDKAKR	59.910.0540	50 4.10				
END PLATE 3mm thick	Melamine	9061	APDAKAKR	07.310.1840	50 1.0	9061	APKR	07.310.1740	50 1.0
CROSS CONNECTOR Left  2 poles 3 poles 4 poles Right 2 poles 3 poles 4 poles	E-Cu					9864/ 2 L	07.210.8227	50	0.15
						9864/ 3 L	07.210.8327	50	0.20
						9864/ 4 L	07.210.8427	50	0.25
						9864/ 2 R	07.210.9027	50	0.15
						9864/ 3 R	07.210.9127	50	0.20
						9864/ 4 R	07.210.9227	50	0.25
SOCKET BOLT FOR TEST PLUG, 4 mm 	Brass, Nickel plated					9011	B	05.508.3221	50 0.15
TEST PLUG, 4mm 	Polyamid Brass, Nickel plated	ST 2/4	black	Z5.553.3021	50 0.30	ST 2/4	black	Z5.553.3021	50 0.30
MARKING TAG, WHITE unmarked can be inserted after mounting		9203		04.241.0251	200 —	9203		04.241.0251	200 —
MARKING TAGS, 50 per card, unmarked	PVC	9303		04.243.0055	50 —	9303		04.243.0055	50 —
MARKING TAGS, 50 per card, marked Available: 1 to 10, 11 to 20... 991 to 1000 Ind. figures 1 to 300 Letters A to Z 		9303 B		04.843.0055	50 —	9303 B		04.843.0055	50 —
TAG CARRIER: for tear-off marking strips	Polystyrol	9203	A/4	04.242.1450	200 —				
TEAR-OFF MARKING STRIP, WHITE	Polyamid	9704	A	See page 62				See page 62	

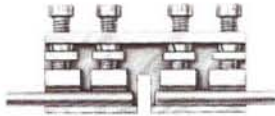
Note: Mounting rails — See page 20
 End clamps — See page 20
 Grounding clamps — See page 9



modular terminals with dual connector

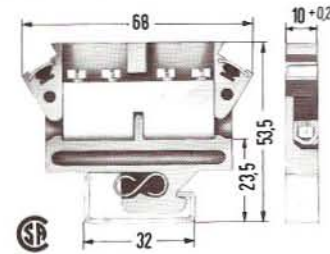
FOR MOUNTING ON RAIL TYPE 9006 (TS 32)

MATERIALS: Insulating body — Melamine Type 150
Connectors — Brass, nickel plated
Spring clip — Steel, zinc plated, di-chromated













Two independent pressure clamps per conductor will supply added safety against pull out if required. Cross connections can be made through knock-outs in the insulating body.

Screw M4
Tightening Torque 1,2 Nm
Stripping Length 20mm



600V No 6 AWG max.
80 Amp.
Width 10 mm.

	description	material	type	no.	std. pkg. quantity	weight kg/100
	terminal with dual connector	melamine	9060	AP DA KA KR	59.916.0040	4.60
	END PLATE 3 mm thick	Melamine	9061	AP DA KA KR	07.310.1840	25 1.00
	CROSS CONNECTOR in 1 m lengths supplied C/W screws and lockwashers	E-Cu	9015 M		Z7.240.0027	10 17.2
	STUD BOLT FOR SWITCH CROSS LINK	Brass	9010 A		05.508.2421	50 0.12
	SWITCH CROSS LINK	Brass, Nickel plated	9012		Z7.269.0723	50 0.22
	SWITCH CROSS LINK – 2 off 9010 A and 1 off 9012 supplied in one package		9013/2TL		99.006.0220	— —
	SOCKET BOLT FOR TEST PLUG, 4 mm	Brass, Nickel plated	9011		05.508.3021	50 0.12
	TEST PLUG, 4 mm	Brass, Nickel plated	ST 2/4 black		Z5.553.3021	50 0.3
	MARKING TAG, WHITE unmarked can be inserted after mounting	Polyamid	9203		04.241.0251	200 —
	MARKING TAGS, 50 per card, unmarked MARKING TAGS, 50 per card, marked Available: 1 to 10, 11 to 20... 991 to 1000 Ind. figures 1 to 300 Letters A to Z	PVC	9303 9303 B		04.243.0055 04.843.0055	50 — 50 —
	TAG CARRIER: for tear-off marking strips	Polystyrol	9203 A/4		04.242.1450	200 —
	TEAR-OFF MARKING STRIP, WHITE	Polyamid	9704 A		See page 62	

Mounting rail — See page 20
End clamps — See page 20
Grounding clamps — See page 9

KR Series - Melamine Terminal Blocks

Screw / Screw

modular terminals 9220 Series

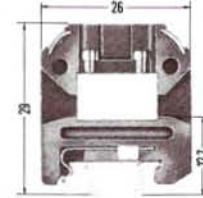
FOR MOUNTING ON RAIL TYPE 9021 (TS 15)

4mm²

Screw M3

Tightening Torque 0,5 Nm
Stripping Length 8mm

MATERIALS: Insulating body — Melamine type 150
Connectors — Brass, nickel plated
Solder lugs — Brass, hot dip galv.














300V No 10 AWG max.
40 Amp.
Width 6 mm.

The connectors with captive screws are securely held in the insulating body.

To ensure proper creepage distances and clearances, terminals with solder lugs high should alternate with terminals with solder lugs low

(1) Comb type cross connector 99.000.9517.7 can also be used (see page 34)

	description	material	type	no.	std. pkg. quantity	weight kg/100
	TERMINAL, SCREW/SCREW TERMINAL, SCREW/SOLDER LUG HIGH RIGHT TERMINAL, SCREW/SOLDER LUG LOW RIGHT TERMINAL, SOLDER LUG LEFT SIDE HIGH, RIGHT SIDE LOW TERMINAL, SOLDER LUG LEFT SIDE, LOW, RIGHT SIDE HIGH.	melamine melamine melamine melamine melamine	9220 KR	52.506.0040	100	0.6
	END PLATE 2 mm thick	melamine	9221 KR	07.300.1940	50	0.2
	CROSS CONNECTOR ⁽¹⁾ C/W SCREWS 0.6 m lengths for 9220 KA 6.6	E-Cu	9215 M	Z7.210.3027		8.70
	STUD BOLT FOR SWITCH CROSS LINK	Brass, Nickel plated		05.508.8621	50	0.15
	SWITCH CROSS LINK	Brass, Nickel plated	9012/2.5 UB	Z7.269.0623	50	0.10
	SOCKET BOLT FOR TEST PLUG	Brass, Nickel plated	9011 C	05.508.8821	50	0.10
	TEST PLUG, 2.3 mm	Brass, Nickel plated	ST 2/2.3 Red	Z5.553.2921	50	0.20
	RAPID MARKING STRIP, UNMARKED	Polyamid	9003 C/6/10	04.241.8053	25	
	RAPID MARKING STRIP, MARKED 1 to 10, 11 to 20...981 to 991, 991 to 999	Polyamid	9003 C/6/10B	04.841.8053	25	—
	RAPID MARKING STRIP, 9 MARKERS 1 to 9	Polyamid	9003 C/6/9B	04.841.7953	25	—
	TAG CARRIER: for tear-off marking strips	Polystyrol	9003 C/4	04.242.1050	200	—
	TEAR-OFF MARKING STRIPS, WHITE (To be used with tag carrier 9003 C/4)	Polyamid	9704 A	See page 62		

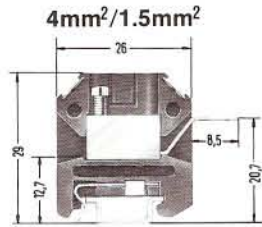
Notes: The 9220 series will accommodate the 9003CL, 9303C and 9303CB markers (see page 35)
The 9003C/6/10 also available in colours red, blue, green, yellow, black and brown.

KR Series - Melamine Terminal Blocks

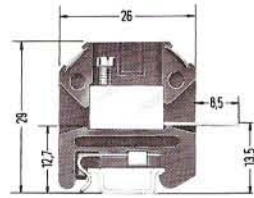


Screw/Solder

Solder/Solder

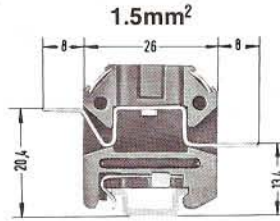


Solder lug high, right side

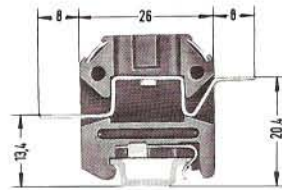


Solder lug low, right side

300V No 16 AWG max.
8 Amp.
Width 6 mm.



Solder lug high left side, low right side



Solder lug low left side, high right side

300V No 16 AWG max.
8 Amp.
Width 6 mm.

Screw M3
Tightening Torque 0,5 Nm
Stripping Length 8mm



type	no.	std. pkg. quantity	weight kg/100	type	no.	std. pkg. quantity	weight kg/100
9220 F1 KR	52.506.0140	100	0.6	—	—	—	—
9220 F2 KR	52.506.0240	100	0.6	—	—	—	—
—	—	—	—	9220 DF1 KR	52.506.0340	100	0.4
—	—	—	—	9220 DF2 KR	52.506.0440	100	0.4
9221 KR	07.300.1940	50	0.2	9221 KR	07.300.1940	50	0.2
9215 M	27.210.3027	10	8.70	9215 M	27.210.3027	10	8.70
	05.508.8621	50	0.15		05.508.8621	50	0.15
9012/2.5 UB	27.269.0623	50	0.10	9012/2.5 UB	27.269.0623	50	0.10
9011 C	05.508.8821	50	0.10	9011 C	05.508.8821	50	0.10
ST 2/2.3 Red	Z5.553.2921	50	0.20	ST 2/2.3 Red	Z5.553.2921	50	0.20
9003 C/6/10	04.241.8053	25	—	9003 C/6/10	04.241.8053	25	—
9003 C/6/10 B	04.841.8053	25	—	9003 C/6/10 B	04.841.8053	25	—
9003 C/6/9 B	04.841.7953	25	—	9003 C/6/9 B	04.841.7953	25	—
9003 C/4	04.242.1050	200	—	9003 C/4	04.242.1050	200	—
See page 62				See page 62			

TS 15 miniature mounting rail

STEEL, ZINC PLATED DI-CHROMATED
Type 9021 No. 98.090.0015
Standard length 2 m (6 1/2 lineal feet)
Weight: 0.14 kg each

end clamps

STEEL, ZINC PLATED
Width: 7.5 mm
Type 9022
No. Z5.522.2110
Std. pkg. quantity: 100
Weight: 0.22 kg per 100

Width: 5 mm
Type: 9222
No. Z5.522.5010
Std. pkg. quantity: 100
Weight: 0.55 kg per 100

ground terminal

BRASS, NICKEL PLATED
Width: 7.5 mm
Type: 9022 E
No. Z5.522.3510
Std. pkg. Quantity: 300
Weight: 0.95 kg per 100

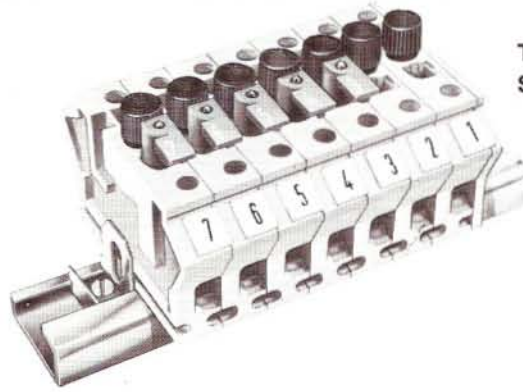
Notes: The 9220 series will accommodate the 9003CL, 9303C and 9303CB markers (see page 35)
The 9003C/6/10 also available in colours red, blue, green, yellow, black and brown.

KR Series - Melamine Terminal Blocks

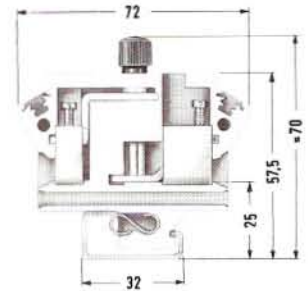
modular fuse terminal

FOR MOUNTING ON RAIL TYPE 9006 (TS 32)

MATERIALS: Insulating body — Melamine, Type 150
 Connectors — Brass, nickel plated
 Fuse holder — Plastic and brass silverplated
 Spring clip — stainless steel

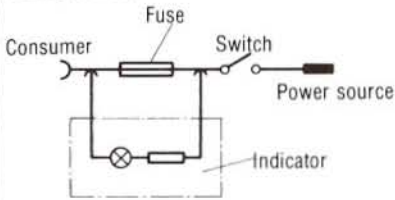


Screw M4
 Tightening Torque 1,2 Nm
 Stripping Length 9mm









300V No. 10 AWG max
 10 Amp.
 Width 13 mm.

These clip-in terminals with fuses are suitable for insertion of glass fuses type GMA (5 x 20 mm). For special circuits these new terminals can be provided with indicators. These indicators are provided with a signal lamp which comes into operation if the circuit is interrupted by a destroyed fuse.



Details of Indicator	
Z5.592.7153	Z5.592.7053
Voltage range	14 V - 28 V 110 V - 500 V
Lamp resistance	2 K Ω 100 K Ω
Lamp rated current	20 mA 0.6 mA
Type of lamp	Incandescent Neon

description	material	type	no.	std. pkg. quantity	weight kg/100
fuse terminal FOR GMA FUSE 5 X 20	melamine	9160 SI 5 x 20 KR	52.010.1040	50	5.20
fuse holder for 5x25 mm fuses			06.502.1700	10	0.23
END PLATE 3 mm thick		9061 Si Kr	07.310.4340	50	1.40
 INDICATOR WITH INCANDESCENT LAMP 28 V (marked red)	Polyamid		25.592.7153	50	0.15
INDICATOR WITH NEON LAMP, from 100 V to 500 V			25.592.7053	50	0.15
 CROSS CONNECTOR Divisible as required 0.6 m long with screws and spring washers	E-Cu		27.204.0027	10	7.70
 MARKING TAG, WHITE unmarked can be inserted after mounting	Polyamid	9203	04.241.0251	200	—
 MARKING TAGS, 50 per card, unmarked MARKING TAGS, 50 per card, marked Available: 1 to 10, 11 to 20... 991 to 1000 Ind. figures 1 to 300 Letters A to Z	PVC	9303	04.243.0055	50	—
		9303 B	04.843.0055	50	—
 TAG CARRIER: for tear-off marking strips	Polystyrol	9203 A/4	04.242.1450	200	—
 TEAR-OFF MARKING STRIP - WHITE	Polyamid	9704 A	See page 62		

Mounting rail See page 20
 End clamps See page 20
 Grounding clamps See page 9



Type 9200 KA 6.6 Series

Type 9220 KA 6.6 Series

Type 9220 A/6 Series

Type 9270/3 Series

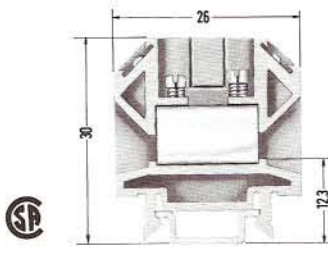
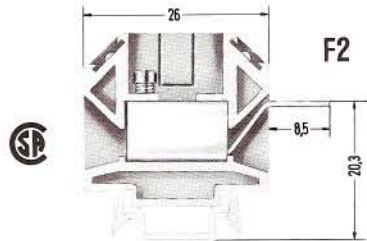
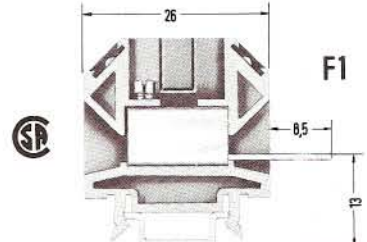
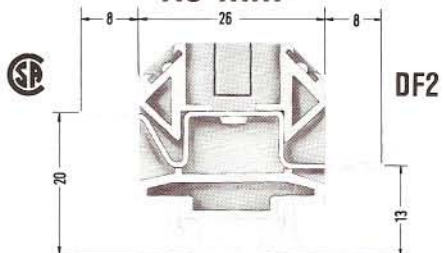
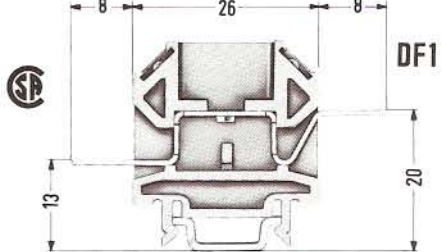
Type KK 1,5 Series

Modular Terminal Blocks with

- pressure screw terminals
- solder lugs terminals
- clip connection terminals
- wire wrap post terminals
- disconnect terminals

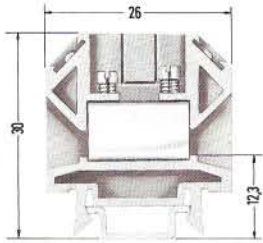
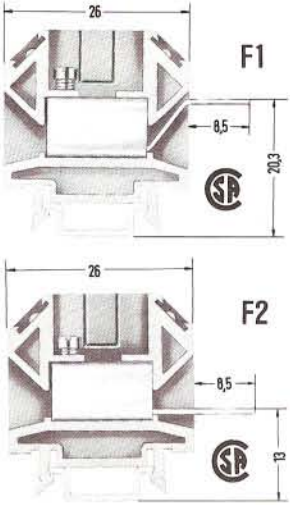
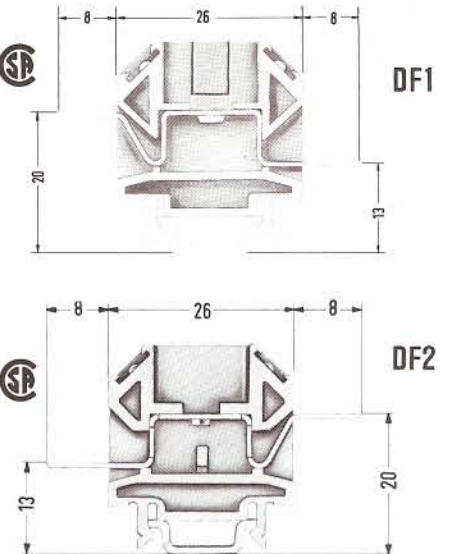

For TS 15 Miniature Hat Rail

Terminal Blocks for Miniature Rail

				Screw/Screw			Screw/Solder																																																																																																												
<p>9200 KA 6.6 Series Modular Terminal Blocks</p> <p>MATERIALS: Insulating body — Polyamid 6.6 Connectors — Brass, nickel plated Solder lugs — Brass, hot dip galv.</p> <p>Break resistant insulating body</p> <p>The connectors with captive screws are securely held in the insulating body.</p> <p>To ensure proper creepage distances and clearances, terminals with solder lugs high should alternate with terminals with solder lugs low</p>	<p>2.5 mm²</p> <p>Screw M3 Tightening Torque: 0,5 Nm Stripping Length: 8 mm</p>  <p>300V No 12 AWG max. 25 Amp. Width 5 mm.</p>			<p>2.5 mm²</p> <p>Screw M3 Tightening Torque: 0,5 Nm Stripping Length: 8 mm</p>  <p>F2</p>  <p>F1</p> <p>300V No 18 AWG max. 6 Amp. Width 5 mm.</p>																																																																																																															
	<table border="1"> <thead> <tr> <th>Description</th> <th>Type</th> <th>Cat. No.</th> <th>wt Std. kg/ Pack</th> <th>wt Std. kg/ Pack 100</th> </tr> </thead> <tbody> <tr> <td>Terminal Screw/Screw</td> <td>9200 KA6.6</td> <td>50.003.0053</td> <td>100</td> <td>.35</td> </tr> <tr> <td>Terminal screw/solder lug high, right</td> <td>9200 KA 6.6 F2</td> <td>50.003.1553</td> <td>100</td> <td>.31</td> </tr> <tr> <td>Terminal screw/solder lug low, right</td> <td>9200 KA 6.6 F1</td> <td>50.003.2053</td> <td>100</td> <td>.31</td> </tr> <tr> <td>Terminal solder lug left side high solder lug right side low</td> <td>9200 KA 6.6 DF2</td> <td>50.003.1053</td> <td>100</td> <td>.21</td> </tr> <tr> <td>Terminal solder lug left side low solder lug right side high</td> <td>9200 KA 6.6 DF1</td> <td>50.003.0553</td> <td>100</td> <td>.21</td> </tr> </tbody> </table>			Description	Type	Cat. No.	wt Std. kg/ Pack	wt Std. kg/ Pack 100	Terminal Screw/Screw	9200 KA6.6	50.003.0053	100	.35	Terminal screw/solder lug high, right	9200 KA 6.6 F2	50.003.1553	100	.31	Terminal screw/solder lug low, right	9200 KA 6.6 F1	50.003.2053	100	.31	Terminal solder lug left side high solder lug right side low	9200 KA 6.6 DF2	50.003.1053	100	.21	Terminal solder lug left side low solder lug right side high	9200 KA 6.6 DF1	50.003.0553	100	.21	<table border="1"> <thead> <tr> <th>Description</th> <th>Type</th> <th>Cat. No.</th> <th>wt Std. kg/ Pack</th> <th>wt Std. kg/ Pack 100</th> </tr> </thead> <tbody> <tr> <td>1. Mounting Rail TS 15 Steel, zinc plated, length 2 m</td> <td>9021</td> <td>98.090.0015</td> <td>10</td> <td>28.0</td> </tr> <tr> <td>2. End clamp, polyamid, width 7.5 mm steel 7.5 mm steel 5 mm</td> <td>9208 S 15 C</td> <td>Z5.522.7653</td> <td>100</td> <td>.33</td> </tr> <tr> <td></td> <td>9022</td> <td>Z5.522.2110</td> <td>100</td> <td>.22</td> </tr> <tr> <td></td> <td>9222</td> <td>Z5.522.5010</td> <td>100</td> <td>.55</td> </tr> <tr> <td>3. End plate, width 1.5 mm</td> <td>9221 KA 66</td> <td>07.300.4053</td> <td>50</td> <td>.10</td> </tr> <tr> <td>4. Partition plate 0.5 mm thick</td> <td></td> <td>07.300.2653</td> <td>50</td> <td>.12</td> </tr> <tr> <td>5. Cross connector c/w screws 0.6 m length</td> <td>9217 M</td> <td>Z7.210.4027</td> <td>10</td> <td>8.7</td> </tr> <tr> <td>6. Switchable connecting link</td> <td></td> <td>Z7.269.3523</td> <td>50</td> <td>.11</td> </tr> <tr> <td>7. Stud bolt for test plug</td> <td>9011 D</td> <td>05.508.8921</td> <td>50</td> <td>.05</td> </tr> <tr> <td>8. Test plug</td> <td>ST 2/2,3</td> <td>Z5.553.2921</td> <td>50</td> <td>.17</td> </tr> <tr> <td>9. Marking tag, Unmarked</td> <td>9003 C</td> <td>04.241.0651</td> <td>500</td> <td>—</td> </tr> <tr> <td>Marked</td> <td>9003 CB</td> <td>04.841.0651</td> <td>500</td> <td>—</td> </tr> <tr> <td>10. Tag carrier for tear-off marking strips</td> <td>9003 C/4</td> <td>04.242.1050</td> <td>200</td> <td>—</td> </tr> <tr> <td>11. Tear-off marking strips</td> <td>9704 A</td> <td>see page 62</td> <td></td> <td></td> </tr> <tr> <td>Before installing cross connections, backplate of terminal has to be punched out with special pliers.</td> <td></td> <td>95.160.0006</td> <td>1</td> <td>150,0</td> </tr> </tbody> </table>			Description	Type	Cat. No.	wt Std. kg/ Pack	wt Std. kg/ Pack 100	1. Mounting Rail TS 15 Steel, zinc plated, length 2 m	9021	98.090.0015	10	28.0	2. End clamp, polyamid, width 7.5 mm steel 7.5 mm steel 5 mm	9208 S 15 C	Z5.522.7653	100	.33		9022	Z5.522.2110	100	.22		9222	Z5.522.5010	100	.55	3. End plate, width 1.5 mm	9221 KA 66	07.300.4053	50	.10	4. Partition plate 0.5 mm thick		07.300.2653	50	.12	5. Cross connector c/w screws 0.6 m length	9217 M	Z7.210.4027	10	8.7	6. Switchable connecting link		Z7.269.3523	50	.11	7. Stud bolt for test plug	9011 D	05.508.8921	50	.05	8. Test plug	ST 2/2,3	Z5.553.2921	50	.17	9. Marking tag, Unmarked	9003 C	04.241.0651	500	—	Marked	9003 CB	04.841.0651	500	—	10. Tag carrier for tear-off marking strips	9003 C/4	04.242.1050	200	—	11. Tear-off marking strips	9704 A	see page 62			Before installing cross connections, backplate of terminal has to be punched out with special pliers.		95.160.0006	1
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Terminal screw/solder lug high, right	9200 KA 6.6 F2	50.003.1553	100	.31																																																																																																															
Terminal screw/solder lug low, right	9200 KA 6.6 F1	50.003.2053	100	.31																																																																																																															
Terminal solder lug left side high solder lug right side low	9200 KA 6.6 DF2	50.003.1053	100	.21																																																																																																															
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7. Stud bolt for test plug	9011 D	05.508.8921	50	.05																																																																																																															
8. Test plug	ST 2/2,3	Z5.553.2921	50	.17																																																																																																															
9. Marking tag, Unmarked	9003 C	04.241.0651	500	—																																																																																																															
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				<p>Solder/Solder</p> <p>1.5 mm²</p>  <p>DF2</p>  <p>DF1</p> <p>300V No 18 AWG max. 6 Amp. Width 5 mm.</p>																																																																																																															

Terminal Blocks for Miniature Rail



Screw/Screw				Screw/Solder					
9220 KA 6.6 Series Modular Terminal Blocks MATERIALS: Insulating body — Polyamid 6.6 Connectors — Brass, nickel plated Solder lugs — Brass, hot dip galv. Break resistant insulating body The connectors with captive screws are securely held in the insulating body. To ensure proper creepage distances and clearances, terminals with solder lugs high should alternate with terminals with solder lugs low		4 mm² Screw M3 Tightening Torque: 0,5 Nm Stripping Length: 8 mm Standard colour: grey Also available in Red Blue Green Yellow Orange Black Brown 		4 mm² Screw Tightening Torque: 0,5 Nm Stripping Length: 8 mm Standard colour: grey Also available in red, blue, orange. 300 V No 16 AWG max. 8 Amp. Width 6 mm. 					
300V No 10 AWG max. 40 Amp. Width 6 mm.									
Description	Type	No. Cat.	Std. Pkg. Qty	wt kg/100	Type	No. Cat.	Std. Pkg. Qty	wt kg/100	
Terminal, Screw/Screw	9220 KA6.6	52.504.0053	100	0.50					
Terminal, screw/solder lug high right					9220 KA 6.6F1	52.504.1553	100	0.51	
Terminal, screw/solder lug low right					9220 KA 6.6F2	52.504.2053	100	0.51	
Terminal, solder lug left side high, right side low					9220 KA6.6DF1	52.504.0553	100	0.20	
Terminal, solder lug left side, low, right side high					9220 KA6.6DF2	52.504.1053	100	0.20	
1. Mounting Rail TS 15 Steel, zinc plated, length 2 m	9021	98.090.0015	10	28.0	Solder/Solder				
2. End clamp, polyamid, width 7.5 mm steel 7.5 mm steel 5 mm	9208 S 15 C 9022 9222	Z5.522.7653 Z5.522.2110 Z5.522.5010	100 100 100	.33 .22 .55					
3. End plate, width 1.5 mm	9221 KA 6.6	07.300.4053	50	.10					
4. Partition plate 0.5 mm thick		07.300.2653	50	.12					
5. Cross connector c/w screws 0.6 m 3-Cu for 2 terminals for 3 terminals for 4 terminals for 5 terminals for 6 terminals	9215 M VB 6/31 Z VB 6/32 Z VB 6/33 Z VB 6/34 Z VB 6/35 Z	Z7.210.3027 Z7.221.2227 Z7.221.2327 Z7.221.2427 Z7.221.2527 Z7.221.2627	10 50 50 50 50 50	8.7 .12 .17 .22 .27 .32					
6. Switchable connecting link		Z7.269.2923	50	.45					
7. Stud bolt for test plug	9011 C	05.508.8821	50	.05					
8. Test plug	ST 2/2,3	Z5.553.2921	50	.17					
9. Jumper plug		Z5.553.9400	100	.37					
10. Marking tag, Unmarked	9003 C	04.241.0651	500	—					
marked	9003 C B	04.841.0651	500	—					
11. Tag carrier for tear-off marking strips	9003 C/4	04.242.1050	200	—					
12. Tear-off marking strips	9704 A	see page 62							
Before installing cross connections, backplate of terminal has to be punched out with special pliers		95.160.0003	1		300V No 16 AWG max. 8 Amp. Width 6 mm.				
 Comb type cross connector 99.000.9517.7 can be also used (see page 34)									

5

Terminal Blocks for Miniature Rail

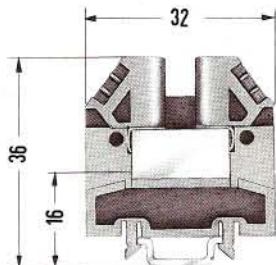
9220 A/6 Modular Terminal Block

MATERIALS: Insulating body — Polyamid 6.6
Connectors — Brass, nickel plated
Pressure Screw — Brass, nickel plated

Screw/Screw

4 mm²

Screw M3
Tightening Torque: 0,5 Nm
Stripping Length: 9 mm



**600 Volt
10 AWG Max.
40 AMP.
Width 6 mm**

9220 A/6 TP1/2/3

Modular terminal block with clip connection (Termi-Point®) or wire wrap post

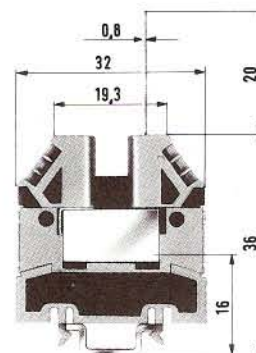
**300 Volt
14 AWG MAX.
10 AMP.**

Description	Type	Cat. No.	Std. Pack	wt kg/100
Terminal Screw/Screw	9220 A/6	55.004.2053	100	.70
1. Mounting rail TS 15 Steel, zinc plated, length 2 m	9021	98.090.0015	10	28.0
2. End clamp, polyamid, width 7.5 mm steel 7.5 mm steel	9208 S 15 9022 9222	Z5.522.7553 Z5.522.2110 Z5.522.5010	100 100 100	.33 .22 .55
3. End plate width 1.5 mm	9701/6	07.310.3153	50	.15
4. Partition plate 1.5 mm thick	9702/6	07.310.3453	50	.24
5. Cross connector c/w screws 0.6 m E-Cu for 2 terminals for 3 terminals for 4 terminals for 5 terminals for 6 terminals	9703/6 M 9703/6-2 9703/6-3 9703/6-4 9703/6-5 9703/6-6	Z7.211.0027 Z7.211.0227 Z7.211.0327 Z7.211.0427 Z7.211.0527 Z7.211.0627	10 50 50 50 50 50	7.6 .14 .21 .28 .35 .42
6. Switchable connecting link		Z7.269.2923	50	.45
7. Stud bolt for test plug	9011 C	05.508.8821	50	.05
8. Test plug	ST 2/2,3 red	Z5.553.2921	50	.17
9. Snap-on cover with warming sign	yellow	04.325.1056	100	.05
10. Marking tag, Unmarked Marked	9705 A 9705 AB	04.242.0850 04.842.0850	500 500	— —
11. Rapid marking strip, Unmarked Marked 1-10, 11-20, ... 991-999	9705 A/6/10 9705 A/6/10B	04.242.6053 04.842.6053	25 25	— —
12. Tear-off marking strip	9704 A	see page 62		

Description
Terminal with clip connector 1.6 x 0.8 mm
Terminal with clip connector 1.6 x 0.8 mm
Terminal with wire wrap connector 1 x 1 mm

Screw/Clip

**9220 A/6 TP1
4 mm²
Screw M3**



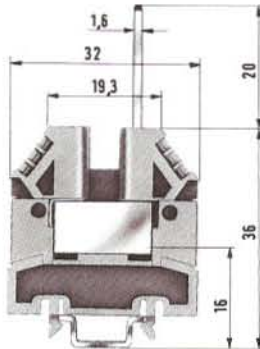
for horizontally mounted terminal blocks
width 6 mm
stripping length 9 mm

Terminal Blocks for Miniature Rail



Screw/Clip

9220A/6 TP2
4 mm²
Screw M3



for vertically mounted terminal blocks
width 6 mm
stripping length 9 mm

Disconnect

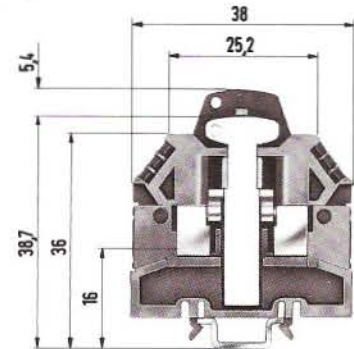
9220 A/6 TKS P1
Modular Disconnect
Terminal

MATERIALS:
Insulating body — Polyamid 6.6
Disconnect plug — Polyamid 6.6
Connectors — Brass, Silver plated
Disconnect contacts — Beryllium Copper, Silver plated
Pressure screws — Brass, nickel plated

To disconnect a circuit insert the tip of a screw driver under the white disconnect plug and exert a slight upward push. The circuit is disconnected as soon as the plug springs up and the red signal rod disappears. To re-establish the circuit push the head of the disconnect plug down until a click is heard and the red signal rod reappears. The disconnect plugs are captive at all times and consequently contacts cannot be damaged. The insulating body is formed to take electric or pneumatic screw drivers for tightening the conductors. One of the pressure connector screws (right side) is a socket type screw which will accommodate test plugs.

4 mm²

Screw M3
Tightening Torque: 0,5 Nm
Stripping Length: 9 mm



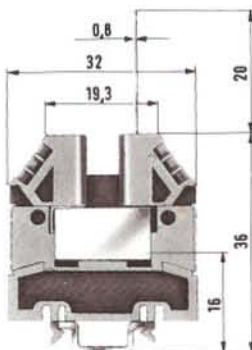
300V No 14 AWG max.
10 Amp.
Width 6 mm.



Type	Cat. No.	Std. Pack	wt kg/100
9220 A/6 TP 1	55.004.2153	100	0.6
9220 A/6 TP 2	55.004.2253	100	0.6
9220 A/6 TP 3	55.004.2353	100	0.6

Screw/Wire Wrap

9220 A/6 TP3
4 mm²
Screw M3



width 6 mm
stripping length 9 mm

Description	Type	Cat. No.	Std. Pack	wt kg/100
Disconnect Terminal	9220 A/6 TKS P1	55.004.3153	100	0.8
1. Mounting rail TS 15 Steel, zinc plated, length 2 m	9021	98.090.0015	10	28.0
2. End clamp, polyamid width 7.5 mm steel 10 mm steel 5 mm	9208 S 15 9022 9222	Z5.522.7553 Z5.522.2110 Z5.522.5010	100 100 50	.33 .22 .55
3. End plate, width 1.5 mm	9701/6 TKS	07.310.4253	50	.15
4. Cross connector c/w screws 0.6 m	VB IK 4 M IVB IK-2 IVB IK-3 IVB IK-4 IVB IK-5 IVB IK-6 IVB IK-7 IVB IK-8 IVB IK-9 IVB IK-10 IVB IK-11 IVB IK-12	07.255.0027 Z7.255.0227 Z7.255.0327 Z7.255.0427 Z7.255.0527 Z7.255.0627 Z7.255.0727 Z7.255.0827 Z7.255.0927 Z7.255.1027 Z7.255.1127 Z7.255.1227	50 50 50 50 50 50 50 50 50 50 50 50	.90 .26 .26 .26 .26 .26 .26 .26 .26 .26 .26 .26
5. Jumper plug		Z5.553.9400	100	.37
6. Test plug	ST 2/2,3	Z5.553.2921	50	.17
7. Marking Tag, Unmarked Marked	9705 A 9705 AB	04.242.0850 04.842.0850	500 500	— —
8. Rapid Marking System, Unmarked Marked	9705 A/6/10 9705 A/6/10 B	04.242.6053 04.842.6053	25 25	— —
9. Tear-off Marking Strip	9704 A	see page 62		—

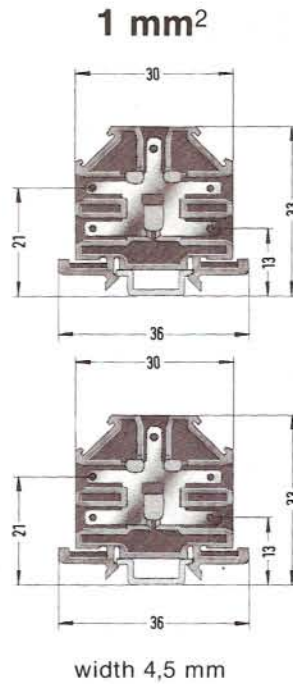
Terminal Blocks for Miniature Rail

9270/3 Miniature Terminal Block with five position flat tab type clip-on terminals.

Tabs 2.8 x 0.5 for insulated connectors A 2.8 DIN 46247

Tabs 2.8 x 0.8 for insulated connectors B 2.8 DIN 46247

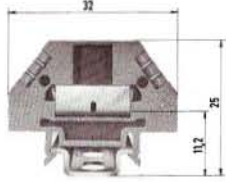
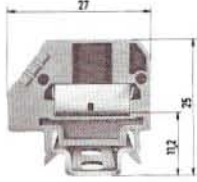
**150 V
5 AMP.**



Description	Type	Cat. No.	wt Std. kg/ Pack 100
Terminal for quick connectors 2.8 x 0.5 mm	9270/3/0.5	52.599.0452	100 2,3
Terminal for quick connectors 2.8 x 0.8 mm	9270/3/0,8	52.599.0552	100 2,3
1. Mounting rail TS 15 Steel, zinc plated, length 2 m	9021	98.090.0015	10 28.0
2. End clamps polyamid, width 7.5 mm	9208 S 15 C	Z5.522.7553	100 .33
steel 7.5 mm	9022	Z5.522.2110	100 .22
steel 5 mm	9222	Z5.522.5010	100 .55
3. End plate, width 4.5 mm	9271	07.300.3652	50
4. Marking strip, paper, 1 m		04.000.3089	10
5. Transparent cover, 1 m		04.311.0580	10
6. Marking strip, white plastic, 1 m		04.000.2980	10

Terminal Blocks for Miniature Rail



<p>KK 1,5/S15 KK 1,5 M/S15</p> <p>Materials: Insulating body — Polyamid 6.6 Connectors — Brass, nickel plated Screws — Steel, zinc plated Wire guard — phosphor bronze</p> <p>Screw M2,5 Tightening Torque: 0,4 Nm</p>	<p>1,5 mm²</p> <p>300 V. 12 AWG 20 A.</p>  <p>width 5 mm</p>	<p>1,5 mm²</p> <p>300 V 12 AWG 20 A.</p>  <p>width 5 mm</p>		
Description	Type Cat. No.	Type Cat. No.	wt Std. kg/ Pack 100	wt Std. kg/ Pack 100
Compact Terminal Screw/Screw	KK 1,5/S15 Full Body	KK 1,5 M/S15 Mini-Body	100 .37	100 .34
1. Mounting Rail TS 15 Steel, zinc plated, length 2 m	9021 98.090.0015	9021 98.090.0015	10	10
2. End clamp — Polyamid width 8 mm End clamp — steel width 5 mm	9208 S 15 Z5.522.7553 9222 Z5.522.5010	9208 S 15 Z5.522.7553 9222 Z5.522.5010	100 100	100 100
3. End plate width 1,5 mm End plate width 1,5 mm	AP KK 1,5/S15 07.300.5053	AP KK 1,5 M/S15 07.300.5153	50	50
4. Rapid Marking System, Unmarked Marked	9705 A/5/10 04.242.5053 9705 A/5/10B 04.842.5053	9705 A/5/10 04.242.5053 9705 A/5/10B 04.842.5053	25 25	25 25
5. Ground clamp width 7,5 mm	9022 E Z5.522.3510	9022 E Z5.522.3510	100	100

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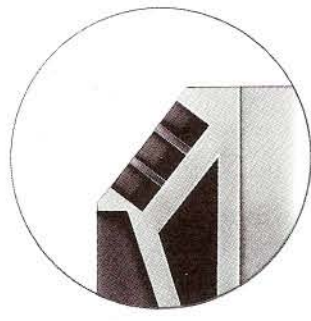
For WK Series



Terminals type WK have four slots on each side which allow markings with up to four digits. The following types of marking systems can be used:

1. Marking strip with and without marking. Strip covers ten terminals. Marking
1 — 10, 11 — 20, up to 999.
Type 9705 A/5/10 for terminals WK 2.5
Type 9705 A/6/10 for terminals WK 4
Type 9705 A/8/10 for terminals WK 6
2. Marking strip with markings 1 — 9. Strip covers nine terminals.
Type 9705 A/5/9 for terminals WK 2.5
Type 9705 A/6/9 for terminals WK 4
Type 9705 A/8/9 for terminals WK 6
3. Tear-off marking strip with ten marking tags, marked 0 — 9 or alternatively marked with the same figure. The tear-off marking strip facilitates simple and quick fitting of the single digit tags into the terminals. Four slots on each side of the terminal housing will allow markings up to four digits. The tear-off marking strip offers greater flexibility with a minimum of parts. Type 9704 A.
4. Six digits marking tag carrier type 9705/6
5. Single unit marking tag with marking area for up to three digits, with numbering to 999. Type 9705
6. Single unit marking tag with marking area for up to eight digits, for special purposes. Type 9705 AL

For 9700 B Series 9220 A/6 Series



Terminals type 9700 B have three slots on each side which allow markings with up to three digits. The following types of marking systems can be used:

1. Marking strip with and without marking. Strip covers ten terminals. Marking
1 — 10, 11 — 20 up to 999.
Type 9705 A/5/10 for terminals Type 9700 A/5 and 9700 B/5
Type 9750 A/6/10 for terminals Type 9700 A/6 and 9700 B/6
Type 9705 A/8/10 for terminals Type 9700 A/8 and 9700 B/8
2. Marking strip with marking 1 — 9. Strip covers nine terminals.
Type 9705 A/5/9 B for terminals Type 9700 A/5 and 9700 B/5
Type 9705 A/6/9 B for terminals 9700 A/6 and 9700 B/6
Type 9705 A/8/9 B for terminals 9700 A/8 and 9700 B/8
3. Tear-off marking strip with ten marking tags, marked 0 — 9 or alternatively marked with the same figure. The tear-off marking strip facilitates simple and quick fitting of the single digit tags into the terminals. Three slots on each side of the terminal housing will allow markings up to three digits. The tear-off marking strip offers greater flexibility with a minimum of parts. Type 9704 A
4. Four and six digit marking tag carriers
Types 9705/4 and 9705/6
5. Single unit marking tag, with marking area for up to three digits, with numbering up to 999. Type 9705 A

All marking materials — Polyamid 6.6
Black markings on white background.

9705 A /AB

Single Unit Marking Tags

	Type	Cat. No.	Std. Pack
unmarked	9705 A	04.242.0850	500
marked	9705 AB	04.842.0850	500



capacity — 3 digits

indicate required marking with part no.

Attention:
package quantity = 500 tags

9705 AL/ALB

	Type	Cat. No.	Std. Pack
unmarked	9705 AL	04.242.1553	500
marked	9705 ALB	14.842.1553	500



capacity — 8 digits

indicate required marking with part no.

Attention:
package quantity = 500 tags

9705 A








Marking tag carrier for

4 digits or letters
6 digits or letters




Marking Systems — for Modular Terminal Blocks

9705 A/5/6/8 Rapid Marking System

Marking strip for terminals 5 mm wide			Marking Strip for terminals 6 mm wide			Marking strip for terminals 8 mm wide					
Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack			
unmarked	9705A/5/10	04.242.5053	25	unmarked	9705A/6/10	04.242.6053	25	unmarked	9705A/8/10	04.242.8053	25
marked	9705A/5/10B	04.842.5053	25	marked	9705A/6/10B	04.842.6053	25	marked	9705A/8/10B	04.842.8053	25
 <p>Consecutive Numerals indicate required marking with part no. 1 ... 10 11 ... 20 up to 991 ... 999 Attention: package quantity = 25 strips = 250 tags</p>			 <p>Consecutive Numerals indicate required marking with part no. 1 ... 10 11 ... 20 up to 991 ... 999 Attention: package quantity = 25 strips = 250 tags</p>			 <p>Consecutive Numerals indicate required marking with part no. 1 ... 10 11 ... 20 up to 991 ... 999 Attention: package quantity = 25 strips = 250 tags</p>					
Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack	Type	Cat. No.	Std. Pack			
9705A/5/9 B	04.842.4953		9705A/6/9 B	04.842.5953	25	9705A/8/9 B	04.842.7953	25			
 <p>Decade Marking marking 1 ... 9 The 10th terminal is provided with a decade marking, that is, the numbers 10, 20, 30 etc. Attention: package quantity = 25 strips = 225 tags</p>			 <p>Decade Marking Marking 1 ... 9 The 10th terminal is provided with a decade marking, that is, the numbers 10, 20, 30 etc. Attention: package quantity = 25 strips = 225 tags</p>			 <p>Decade Marking Marking 1 ... 9 The 10th terminal is provided with a decade marking, that is, the numbers 10, 20, 30 etc. Attention: package quantity = 25 strips = 225 tags</p>					
Marking Tag Carrier											
Type	Cat. No.	Std. Pack									
9705 A/4	04.242.0950	200									
9705 A/6	04.242.1250	200									

Marking Systems — for Modular Terminal Blocks

9704 A Tear-off Marking Strips — Black Markings on White Background

Unmarked		type	no.	std. pkg. quantity
		9704 A	04.241.1150	25
with individual figures	1 1 1 1 1 1 1 1 1 1	*	9704 A/1 B	04.841.1150
	2 2 2 2 2 2 2 2 2 2	*	9704 A/2 B	04.841.1250
	3 3 3 3 3 3 3 3 3 3	*	9704 A/3 B	04.841.1350
	4 4 4 4 4 4 4 4 4 4	*	9704 A/4 B	04.841.1450
	5 5 5 5 5 5 5 5 5 5	*	9704 A/5 B	04.841.1550
	6 6 6 6 6 6 6 6 6 6	*	9704 A/6 B	04.841.1650
	7 7 7 7 7 7 7 7 7 7	*	9704 A/7 B	04.841.1750
	8 8 8 8 8 8 8 8 8 8	*	9704 A/8 B	04.841.1850
	9 9 9 9 9 9 9 9 9 9	*	9704 A/9 B	04.841.1950
	0 0 0 0 0 0 0 0 0 0	*	9704 A/0 B	04.841.2050
with figures in sequence	1 2 3 4 5 6 7 8 9 0	*	9704 A/1-0B	04.841.2150 25
with individual capital letters	A A A A A A A A A A		9704 A/AGB	04.841.2250
	B B B B B B B B B B		9704 A/BGB	04.841.2350
	C C C C C C C C C C		9704 A/CGB	04.841.2450
	D D D D D D D D D D		9704 A/DGB	04.841.2550
	E E E E E E E E E E		9704 A/EGB	04.841.2650
	F F F F F F F F F F		9704 A/FGB	04.841.2750
	G G G G G G G G G G		9704 A/GGB	04.841.2850
	H H H H H H H H H H		9704 A/HGB	04.841.2950
	I I I I I I I I I I		9704 A/IGB	04.841.3050
	J J J J J J J J J J		9704 A/JGB	04.841.3150
	K K K K K K K K K K		9704 A/KGB	04.841.3250
	L L L L L L L L L L		9704 A/LGB	04.841.3350
	M M M M M M M M M M		9704 A/MGB	04.841.3450
	N N N N N N N N N N		9704 A/NGB	04.841.3550
	O O O O O O O O O O		9704 A/OGB	04.841.3650
	P P P P P P P P P P		9704 A/PGB	04.841.3750
	Q Q Q Q Q Q Q Q Q Q		9704 A/QGB	04.841.3850
	R R R R R R R R R R		9704 A/RGB	04.841.3950
	S S S S S S S S S S		9704 A/SGB	04.841.4050
	T T T T T T T T T T		9704 A/TGB	04.841.4150
U U U U U U U U U U		9704 A/UGB	04.841.4250	
V V V V V V V V V V		9704 A/VGB	04.841.4350	
W W W W W W W W W W		9704 A/WGB	04.841.4450	
X X X X X X X X X X		9704 A/XGB	04.841.4550	
Y Y Y Y Y Y Y Y Y Y		9704 A/YGB	04.841.4650	
Z Z Z Z Z Z Z Z Z Z		9704 A/ZGB	04.841.4750	
with individual markings	+++++ -----		9704 A/+B 9704 A/-B	04.841.7450 04.841.7550 25

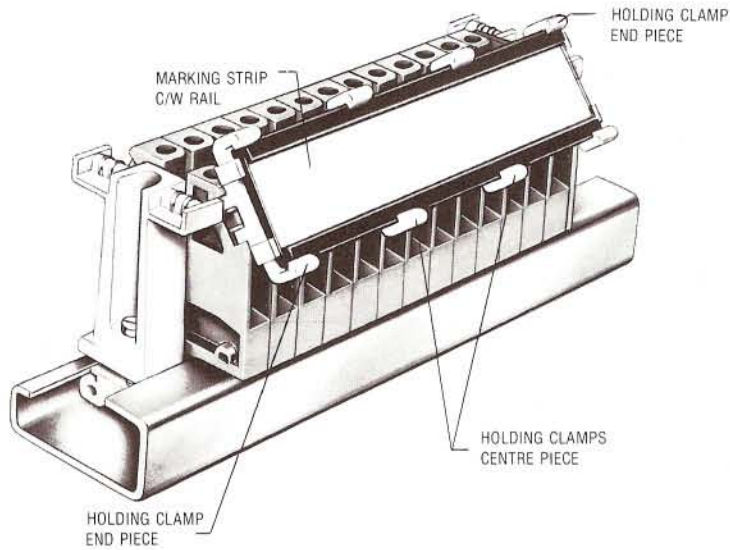
* New ... 9704 A tear-off marking strips are now available with colour backgrounds. Choose from red, blue, green, yellow. Marking are always in black.




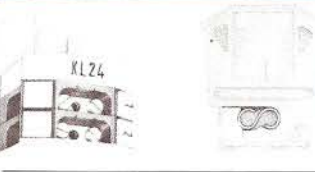
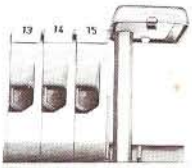
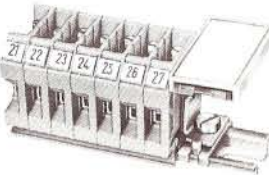
The Cat. No. for coloured marker strips is obtained as follows:

- e.g. 04.241.1150.5 red Unmarked
- 04.241.1150.6 blue
- 04.241.1150.7 green
- 04.241.1150.8 yellow

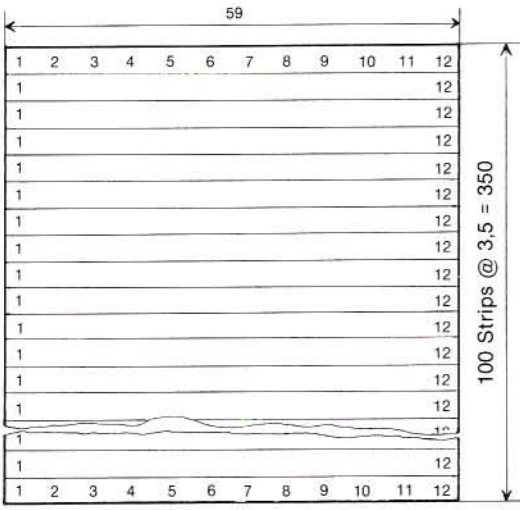
- e.g. 04.841.2150.5 red Marked
- 04.841.2150.6 blue
- 04.841.2150.7 green
- 04.841.2150.8 yellow

Only those items shown with an asterisk * are available in colour. Non stock item.



description	material	type	no.	std. pkg. quantity	weight kg/100
 <p>HOLDING CLAMP — END PIECE</p>	Polyamid	9705 AZ/319/13.5	04.242.1753	500	0.35
 <p>HOLDING CLAMP — CENTRE PIECE</p>	Polyamid	9705 A/319/13.5	04.242.1653	500	0.32
 <p>MARKING STRIP 1 m. long rail complete with white cardboard and transparent plastic cover</p>	PVC	319/13.5 K SCHW.	90.800.1055.1	10	5.50
 <p>FOR MOUNTING ON RAIL TYPE 9006 FOR DIMENSIONS SEE 9040 KAKR ON PAGE 46</p>	Melamine	9040 M BZ	59.900.0032	100	1.50
 <p>FOR MOUNTING ON RAIL TYPE 9006 EASILY EXCHANGEABLE WHITE CARDBOARD IN DUSTPROOF TRANSPARENT ENCLOSURE.</p>	Plastic	300/9008	69.920.0254	50	1.70
 <p>FOR MOUNTING ON RAIL TYPE 9022 EASILY EXCHANGEABLE WHITE CARDBOARD IN DUSTPROOF TRANSPARENT ENCLOSURE.</p>	Plastic	300B/9022	69.920.0310	50	0.70

Type BZ8190 Adhesive Marker Strips

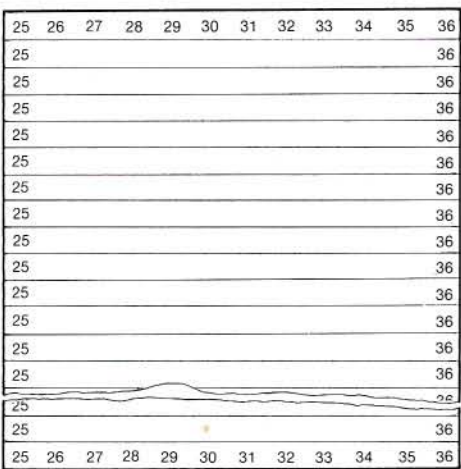
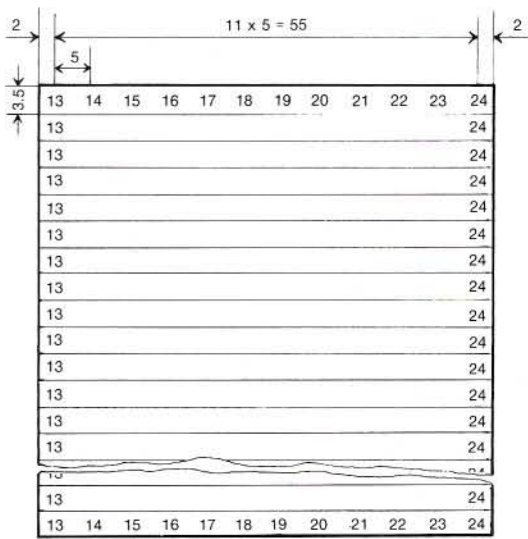


Type BZ8190/1-12
Cat. No. 04.007.4089

Sheet of 100 strips
 Background — white
 Marking — Black
 Std. Pack 100 sheets

Type BZ8190/13-24
Cat. No. 04.007.4189

Sheet of 100 strips
 Background — white
 Marking — black
 Std. Pack 100 sheets



Type BZ8190/25-36
Cat. No. 04.007.4289

Sheet of 100 strips
 Background — white
 Marking — black
 Std. Pack 100 sheets

May also be used with the following WIBA terminal strips — type. 8190, 8180, 8181, 8145, LPST, 8140, 8141 & 8112 having 5 mm pin spacings.



Terminal strips with soldering pins for printed circuit boards.

Type 8140 SS	Disconnecting type
Type 8141 SS	Disconnecting type
Type 8180/8181/8281	Fixed type
Type 8145	45° angled entry
Type 8190	Modular type
Type 8375	Dual solder pins
Type 8112	Disconnecting type
Type LPST	Edge board connector without soldering pins
Type LPSTL	Edge board connector with soldering pins

Terminal Strips "EUROPA" — Polyamid — Flexible and Field Cut.

Type 6E, 6ES, 6EF
Type 10E, 16E, 20E

Terminal Strips — Melamine and PVC

Type 8030DS/DSF/KR — Melamine
Type 8030/8006 GDS/KR with feed through soldering pins for printed circuit boards
Type 8130 — PVC

Terminal Strips KL Type

Type KL 16
Type KL 17

Plug and Socket Connectors

Type ST 25/5
Type ST 28/10

Micro feed through terminals

Type 9290 — Panel or chassis mount

Plug-in Terminal Strips — for Printed Circuit Boards Type 8140SS

1.5 mm²

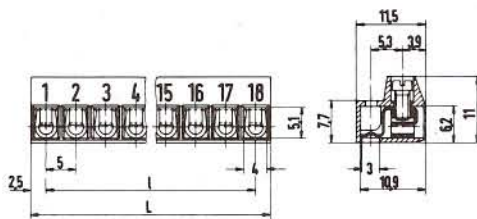
Materials: Insulating body — Polycarbonate (110°C Continuous use) **To accommodate 1.3 mm dia. pins**
 Connector — Brass nickel plated
 Pin-socket — Tin-bronze, silver plated
 Pressure Screws — Steel, zinc plated and dichromated

250 V. Screw **M 2,5**
16 AWG Tightening Torque **0,5 Nm**
10 AMP. Stripping Length **4,5 mm**



The plug-in terminal strip Type 8140SS allows the quick connection (or disconnection) of a number of conductors on a printed circuit board. The incoming conductors are connected to the pin-socket via a pressure connector with wire guard. The pin sockets (at 5 or 10 mm centres) will connect with the 1.3 mm dia. pins on the circuit board. The pin-strips can be easily cut to required length and number of pins.

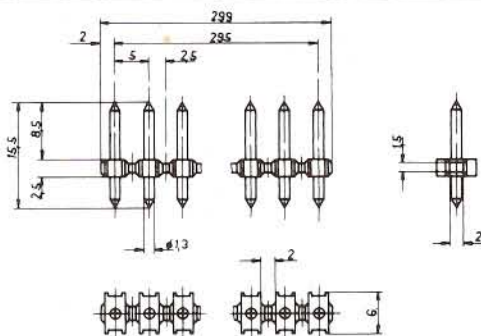
The terminal poles are numbered consecutively, from 1 to 20, for 5 mm spacing.



5 mm Spacing					
Number of Poles	Cat. No.	Std. Pack Quantity	Weight Kg/100	L	l
				mm	
2	25.600.0253	250	0.2	10	5
3	25.600.0353	250	0.3	15	10
4	25.600.0453	200	0.4	20	15
5	25.600.0553	200	0.5	25	20
6	25.600.0653	200	0.6	30	25
7	25.600.0753	100	0.7	35	30
8	25.600.0853	100	0.8	40	35
9	25.600.0953	100	0.9	45	40
10	25.600.1053	100	1.0	50	45
11	25.600.1153	100	1.1	55	50
12	25.600.1253	100	1.2	60	55
13	25.600.1353	50	1.3	65	60
14	25.600.1453	50	1.4	70	65
15	25.600.1553	50	1.5	75	70
16	25.600.1653	50	1.6	80	75
17	25.600.1753	50	1.7	85	80
18	25.600.1853	50	1.8	90	85
19	25.600.1953	50	1.9	95	90
20	25.600.2053	50	2.0	100	95

10 mm Spacing					
Number of Poles	Cat. No.	Std. Pack Quantity	Weight Kg/100	L	l
				mm	
2	25.601.0253	200	0.2	20	10
3	25.601.0353	200	0.4	30	20
4	25.601.0453	100	0.5	40	30
5	25.601.0553	100	0.6	50	40
6	25.601.0653	100	0.8	60	50
7	25.601.0753	50	0.9	70	60
8	25.601.0853	50	1.0	80	70
9	25.601.0953	50	1.1	90	80
10	25.601.1053	50	1.3	100	90

The plug-in terminal strip Type 8140 SS is also available for 10 mm pin spacing. The terminal poles are numbered consecutively from 2 to 10.



Pin Strip

(60 pins @ 5 mm centres) Cat. No. 05.594.8400
 (30 pins @ 10 mm centres) Cat. No. 05.595.4200

8140 SS Terminal Strip connects onto long ends of pins. Short ends for soldering into circuit board.

Plug-in Terminal Strips — For Printed Circuit Boards Type 8141 SS

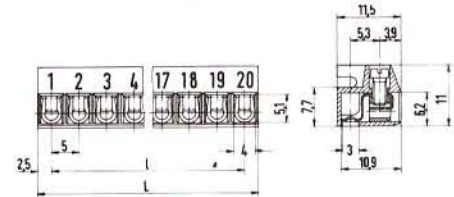
1.5 mm²

Materials:

- Insulating body — poly carbonate
(110° C continuous use)
- Connector — Brass nickel plated
- Pin-socket — Tin-bronze silver plated
- Pressure screws — Steel, zinc plated and di-chromated

250 V.
16 AWG
10 AMP.

To accommodate 1.3 mm dia. pins.



Screw M2,5
Tightening Torque: 0,5 Nm
Stripping Length: 4,5 mm

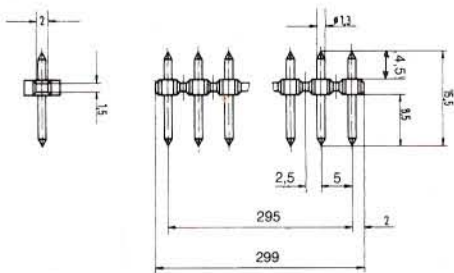
5 mm Spacing

Number of poles	Cat. No.	Std. Pack Quant.	L I	
			mm	
2	25.604.0253	250	10	5
3	25.604.0353	250	15	10
4	25.604.0453	200	20	15
5	25.604.0553	200	25	20
6	25.604.0653	200	30	25
7	25.604.0753	100	35	30
8	25.604.0853	100	40	35
9	25.604.0953	100	45	40
10	25.604.1053	100	50	45
11	25.604.1153	100	55	50
12	25.604.1253	100	60	55
13	25.604.1353	50	65	60
14	25.604.1453	50	70	65
15	25.604.1553	50	75	70
16	25.604.1653	50	80	75
17	25.604.1753	50	85	80
18	25.604.1853	50	90	85
19	25.604.1953	50	95	90
20	25.604.2053	50	100	95

The 8141 SS Terminal Strip allows for quick connection (or disconnection) of 2 to 20 poles. Replacement of a complete printed circuit board can be done with minimum down time.

The 8141 SS Terminal Strip, has a closed body on top of the pin-sockets. Accidental touching of live pins at top of insulating body is thus eliminated.

The pin strips are soldered to the circuit board with the 4.5 mm pin length above the circuit board to accept the 8141 SS body. Pin strips must be ordered separately. Terminals are numbered consecutively from 1 — 20.

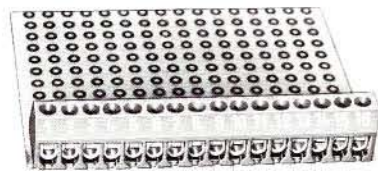


Pin Strip

(60 pins @ 5 mm centres) Article No. 05.594.8400
(30 pins @ 10 mm centres) Article No. 05.595.4200

8141 SS Terminal Strip connects onto short ends of pins. Long ends for soldering into circuit board.

2.5 mm²



The insulating cases of these terminal strips are made of unbreakable Polyamid 6.6. The terminal poles are numbered consecutively. A different inscription can be supplied for larger orders. Prices on request.

The terminal bushes are provided with captive wire protection. The terminal screws are automatically secured against loosening. The shape of the insulating case is specially suitable for automatic screwdrivers.

Creepage and air gaps	with spacing 5 mm	= 4 mm
	with spacing 10 mm	= 9 mm
	with spacing 5.08 mm	= 4.08 mm

Should larger creepage and air gaps for mains connection of printed circuit be required the creepage and air gaps could be enlarged by omitting every second pole.

- MATERIALS:** Insulating body — Polyamid 6.6
 Connector — Brass, hot tinned
 Soldering Pin — E-Cu, hot tinned
 Pressure screws — Steel, zinc plated
 Wire guard (DS) — Phosphor bronze, nickel plated

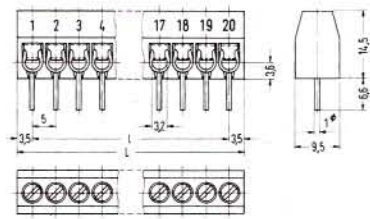
Type 8180

PIN SPACING 5 mm

300 V.
14 AWG MAX.
10 AMP.

Screw M3
Tightening Torque: 0,5 Nm
Stripping Length: 6 mm

Size of soldering pin 1 mm dia.

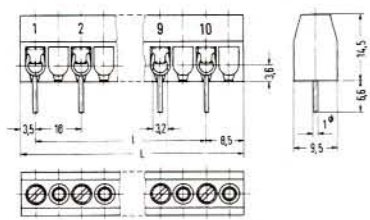


Number of poles	type	Cat. No.	std. pkg. quantity	weight kg/100	L mm	I mm
2	8180/2	25.100.0253	600	0.23	11.3	5
3	8180/3	25.100.0353	400	0.39	16.3	10
4	8180/4	25.100.0453	300	0.52	21.3	15
5	8180/5	25.100.0553	200	0.65	26.3	20
6	8180/6	25.100.0653	200	0.78	31.3	25
7	8180/7	25.100.0753	200	0.91	36.3	30
8	8180/8	25.100.0853	200	1.00	42	35
9	8180/9	25.100.0953	100	1.20	46.3	40
10	8180/10	25.100.1053	100	1.30	51.3	45
11	8180/11	25.100.1153	100	1.40	56.3	50
12	8180/12	25.100.1253	100	1.60	62	55
13	8180/13	25.100.1353	100	1.70	66.3	60
14	8180/14	25.100.1453	100	1.80	71.3	65
15	8180/15	25.100.1553	100	2.00	76.3	70
16	8180/16	25.100.1653	100	2.10	82	75
17	8180/17	25.100.1753	50	2.20	86.3	80
18	8180/18	25.100.1853	50	2.30	91.3	85
19	8180/19	25.100.1953	50	2.50	96.3	90
20	8180/20	25.100.2053	50	2.60	102	95
21	8180/21	25.100.2153	50	2.70	106.3	100
22	8180/22	25.100.2253	50	2.90	111.3	105
23	8180/23	25.100.2353	50	3.00	116.3	110
24	8180/24	25.100.2453	50	3.10	122	115

Type 8180


PIN SPACING 10 mm

SPACING 10 mm



2	8180/4/2	25.101.0253	300	0.33	21.3	10
3	8180/6/3	25.101.0353	200	0.52	31.3	20
4	8180/8/4	25.101.0453	200	0.67	42	30
5	8180/10/5	25.101.0553	100	0.82	51.3	40
6	8180/12/6	25.101.0653	100	0.98	62	50
7	8180/14/7	25.101.0753	100	1.10	71.3	60
8	8180/16/8	25.101.0853	100	1.30	82	70
9	8180/18/9	23.101.0953	50	1.50	91.3	80
10	8180/20/10	25.101.1053	50	1.60	102	90
11	8180/22/11	25.101.1153	50	1.70	111.3	100
12	8180/24/12	25.101.1253	50	1.90	122	110

Terminal Strips for Printed Circuit Boards

Type 8181, 8281 

1.5 mm²

300 V.

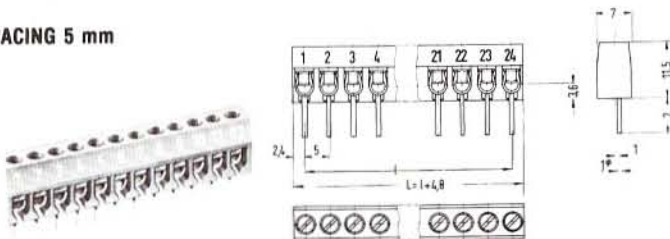
 16 AWG MAX.
10 AMP.

Type 8181

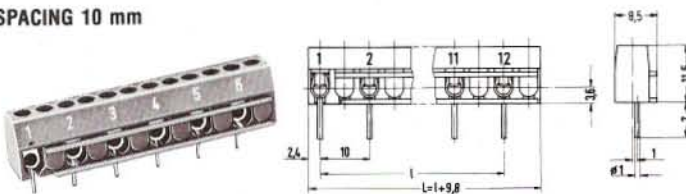
Screw size: M2,5
Tightening Torque: 0,4 Nm
Stripping Length: 4,5 mm

Size of soldering pin 1 mm dia.

SPACING 5 mm



SPACING 10 mm



300 V.

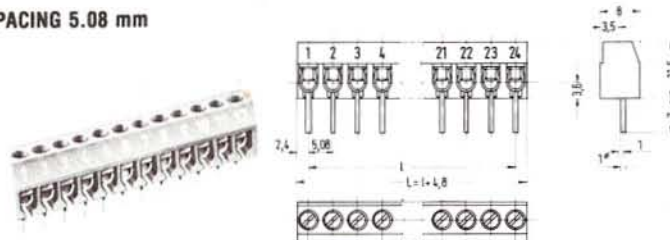
 16 AWG MAX.
10 AMP.

Size of soldering pin 1 mm dia.

Type 8281

Screw M2,5
Tightening Torque: 0,4 Nm
Stripping Length: 4,5 mm

SPACING 5.08 mm



PIN SPACING 5 mm

No. of poles	type	cat. no.	std. pkg. quantity	weight kg/100	L	I
2	8181/2	25.102.0253	600	0.12	9.8	5
3	8181/3	25.102.0353	400	0.21	14.8	10
4	8181/4	25.102.0453	300	0.30	19.8	15
5	8181/5	25.102.0553	200	0.38	24.8	20
6	8181/6	25.102.0653	200	0.46	29.8	25
7	8181/7	25.102.0753	200	0.54	34.8	30
8	8181/8	25.102.0863	200	0.62	39.8	35
9	8181/9	25.102.0953	100	0.70	44.8	40
10	8181/10	25.102.1053	100	0.78	49.8	45
11	8181/11	25.102.1153	100	0.86	54.8	50
12	8181/12	25.102.1253	100	0.94	59.8	55
13	8181/13	25.102.1353	100	1.00	64.8	60
14	8181/14	25.102.1453	100	1.10	69.8	65
15	8181/15	25.102.1553	100	1.20	74.8	70
16	8181/16	25.102.1653	100	1.30	79.8	75
17	8181/17	25.102.1753	50	1.40	84.8	80
18	8181/18	25.102.1853	50	1.50	89.8	85
19	8181/19	25.102.1953	50	1.60	94.8	90
20	8181/20	25.102.2053	50	1.70	99.8	95
21	8181/21	25.102.2153	50	1.80	104.8	100
22	8181/22	25.102.2253	50	1.90	109.8	105
23	8181/23	25.102.2353	50	1.95	114.8	110
24	8181/24	25.102.2453	50	2.00	119.8	115

PIN SPACING 10 mm

2	8181/4/2	25.103.0253	300	0.20	19.8	10
3	8181/6/3	25.103.0353	200	0.31	29.8	20
4	8181/8/4	25.103.0453	200	0.42	39.8	30
5	8181/10/5	25.103.0553	100	0.53	49.8	40
6	8181/12/6	25.103.0653	100	0.64	59.8	50
7	8181/14/7	25.103.0753	100	0.75	69.8	60
8	8181/16/8	25.103.0853	100	0.86	79.8	70
9	8181/18/9	23.103.0953	50	0.97	89.8	80
10	8181/20/10	25.103.1053	50	1.10	99.8	90
11	8181/22/11	25.103.1153	50	1.20	109.8	100
12	8181/24/12	25.103.1253	50	1.30	119.8	110

PIN SPACING 5.08 mm

2	8281/2	25.104.0253	600	0.19	10	5.08
3	8281/3	25.104.0353	400	0.27	15	10.16
4	8281/4	25.104.0453	300	0.35	20.1	15.24
5	8281/5	25.104.0553	200	0.43	25.2	20.32
6	8281/6	25.104.0653	200	0.51	30.2	25.40
7	8281/7	25.104.0753	150	0.59	35.3	30.48
8	8281/8	25.104.0853	200	0.67	40.4	35.56
9	8281/9	25.104.0953	100	0.75	45.5	40.64
10	8281/10	25.104.1053	100	0.83	50.5	45.72
11	8281/11	25.104.1153	100	0.91	55.6	50.80
12	8281/12	25.104.1253	100	1.00	60.7	55.88
13	8281/13	25.104.1353	100	1.10	65.8	60.96
14	8281/14	25.104.1453	100	1.20	70.9	66.04
15	8281/15	25.104.1553	100	1.25	76	71.12
16	8281/16	25.104.1653	100	1.30	81	76.20
17	8281/17	25.104.1753	50	1.40	86.1	81.28
18	8281/18	25.104.1853	50	1.50	91.2	86.36
19	8281/19	25.104.1953	50	1.60	96.3	91.44
20	8281/20	25.104.2053	50	1.65	101.3	96.52
21	8281/21	25.104.2153	50	1.70	106.4	101.60
22	8281/22	25.104.2253	50	1.80	111.5	106.68
23	8281/23	25.104.2353	50	1.90	116.6	111.76
24	8281/24	25.104.2453	50	2.00	121.7	116.84

45° Angled Entry-Terminal Strips for Printed Circuit Boards

Type 8145

1.5 mm²

45° angled entry and pin spacings of 5 and 10 mm.

- SOLDER PINS:** 0.8 x 0.9 mm.
- MATERIALS:** Insulating body — Polyamid 6.6 (break resistant)
 continuous service temp. 100° C.
- Connector — Brass, nickel plated
 Solder pin — E-Cu, zinc plated
 Pressure screws — Steel, zinc plated and di-chromated

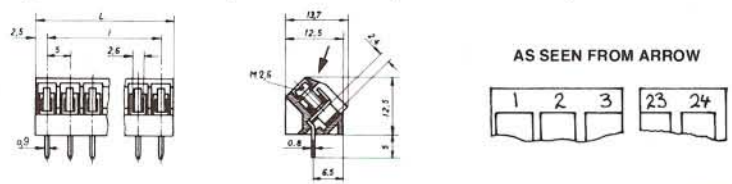
- Screw** M2,5
Tightening Torque: 0,4 Nm
Stripping Length: 5,5 mm

The terminal strips are delivered with or without marking. Standard marking for 5 mm spacing 1 to 24 and for 10 mm spacing 1 to 12.

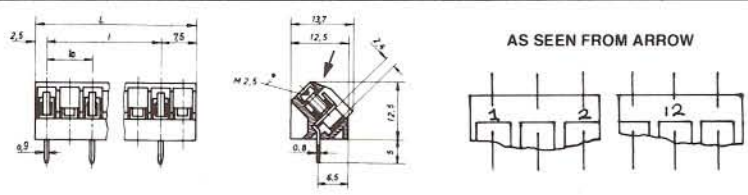
Special markings available on request.

The pressure screws are captive and secure against self-loosening.

300 V.
16 AWG MAX.
10 AMP.



Number of Poles	Type 8145 with Marking		Type 8145 without Marking		Pin Spacing 5 mm		
	Cat. Number	Type	Cat. Number	Type	Std. Pack Quant.	L	I
2	25.135.0253	8145/2	25.136.0253	8145/2 OB	500	10	5
3	25.135.0353	8145/3	25.136.0353	8145/3 OB	250	15	10
4	25.135.0453	8145/4	25.136.0453	8145/4 OB	200	20	15
5	25.135.0553	8145/5	25.136.0553	8145/5 OB	200	25	20
6	25.135.0653	8145/6	25.136.0653	8145/6 OB	200	30	25
7	25.135.0753	8145/7	25.136.0753	8145/7 OB	200	35	30
8	25.135.0853	8145/8	25.136.0853	8145/8 OB	200	40	35
9	25.135.0953	8145/9	25.136.0953	8145/9 OB	200	45	40
10	25.135.1053	8145/10	25.136.1053	8145/10 OB	100	50	45
11	25.135.1153	8145/11	25.136.1153	8145/11 OB	100	55	50
12	25.135.1253	8145/12	25.136.1253	8145/12 OB	100	60	55
13	25.135.1353	8145/13	25.136.1353	8145/13 OB	100	65	60
14	25.135.1453	8145/14	25.136.1453	8145/14 OB	50	70	65
15	25.135.1553	8145/15	25.136.1553	8145/15 OB	50	75	70
16	25.135.1653	8145/16	25.136.1653	8145/16 OB	50	80	75
17	25.135.1753	8145/17	25.136.1753	8145/17 OB	50	85	80
18	25.135.1853	8145/18	25.136.1853	8145/18 OB	50	90	85
19	25.135.1953	8145/19	25.136.1953	8145/19 OB	50	95	90
20	25.135.2053	8145/20	25.136.2053	8145/20 OB	50	100	95
21	25.135.2153	8145/21	25.136.2153	8145/21 OB	50	105	100
22	25.135.2253	8145/22	25.136.2253	8145/22 OB	50	110	105
23	25.135.2353	8145/23	25.136.2353	8145/23 OB	50	115	110
24	25.135.2453	8145/24	25.136.2453	8145/24 OB	50	120	115



Number of Poles	Type 8145 with Marking		Type 8145 without Marking		Pin Spacing 10 mm		
	Cat. Number	Type	Cat. Number	Type	Std. Pack Quant.	L	I
2	25.137.0253	8145/4/2	25.138.0253	8145/4/2 OB	200	20	10
3	25.137.0353	8145/6/3	25.138.0353	8145/6/3 OB	200	30	20
4	25.137.0453	8145/8/4	25.138.0453	8145/8/4 OB	200	40	30
5	25.137.0553	8145/10/5	25.138.0553	8145/10/5 OB	100	50	40
6	25.137.0653	8145/12/6	25.138.0653	8145/12/6 OB	100	60	50
7	25.137.0753	8145/14/7	25.138.0753	8145/14/7 OB	100	70	60
8	25.137.0853	8145/16/8	25.138.0853	8145/16/8 OB	50	80	70
9	25.137.0953	8145/18/9	25.138.0953	8145/18/9 OB	50	90	80
10	25.137.1053	8145/20/10	25.138.1053	8145/20/10 OB	50	100	90
11	25.137.1153	8145/22/11	25.138.1153	8145/22/11 OB	50	110	100
12	25.137.1253	8145/24/12	25.138.1253	8145/24/12 OB	50	120	110

Modular Terminal Strips for Printed Circuit Boards

Type 8190 

4 mm²

Soldering Pins 0.8 x 0.9 mm
Pin Spacing 5 mm

Screw M2,5
Tightening Torque: 0,4 Nm
Stripping Length: 5,5 mm

Available as 2, 3, 8 & 12 pole units. Can be coupled together to form any number of poles.

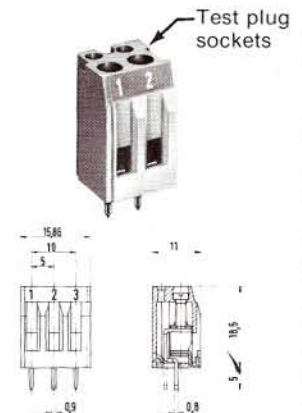
Materials: Insulating Body — Polyamid 6.6
100° C continuous use

Connector — Brass, nickel plated

Soldering pin — E-Cu zinc plated

Pressure screw — Steel, zinc plated and di-chromated

300 V.
14 AWG MAX.
10 AMP.




With marking	Type	Number of Poles	Cat. No.	Std. Pkg/Qty	L mm	I mm
Standard marking 1,2	8190/2	2	25.130.0253		10.86	5
1, 2, 3	8190/3	3	25.130.0353		15.86	10
1 to 8	8190/8	8	25.130.0853		40.86	35
1 to 12	8190/12	12	25.130.1253		60.86	55

The above can be ordered from 2 to 24 poles, consecutively numbered from 1 to 24. e.g.
8190/4 25.130.0453 numbered from 1 to 4 — shipped as several
8190/11 25.130.1153 1 to 11 modular units assembled
8190/15 25.130.1553 1 to 15 into one unit of the
8190/20 25.130.2053 1 to 20 required number of
8190/24 25.130.2453 1 to 24 poles.

Other markings are available on special order, subject to minimum quantity requirements.

Without marking	Type	Number of Poles	Cat. No.	Std. Pkg/Qty	L mm	I mm
	8190/2 OB	2	25.131.0253		10.86	5
	8190/3 OB	3	25.131.0353		15.86	10
	8190/8 OB	8	25.131.0853		40.86	35
	8190/12 OB	12	25.131.1253		60.86	55

Self-adhesive marking strips are available for handy field numbering of terminal strips. Type BZ 8190. See page 64.

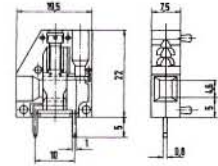
Test plugs — 5 mm pin spacing		—	1	Z5.543.0153	—	—
		—	2	Z5.543.0253	—	—
		—	3	Z5.543.0353	—	—
		—	4	Z5.543.0453	—	—
		—	5	Z5.543.0553	—	—
		—	6	Z5.543.0653	—	—

Soldering pins 1.0 x 0.8 mm
 Pin spacing (standard) 7.5 mm
 Pin spacing (with adaptor) 10.0 mm

Screw M3,0
 Tightening Torque: 0,5 Nm
 Stripping Length: 6,5 mm

Materials: Insulating Body — Polyamid 6.6
 100°C continuous use
 Connector — Steel, zinc plated and di-chromated
 Soldering pins — E-Cu zinc plated
 Pressure screw — Steel, zinc plated and di-chromated

300 V.
12 AWG MAX.
20 AMP.



The modular terminal strip Type 8375 has dual solder pins and a test plug socket. Each module is 7.5 mm long, giving 7.5 mm pin spacing when several modules are coupled together. A 2.5 mm thick adaptor is available to increase each module to 10.0 mm in length, and 10 mm pin spacing. Moulded slots on the insulating body allow the use of the WIBA Rapid Marking System and Tear-off Marking System.

Description	Type	Cat. No.	Std. Pkg/Qty	wt — kg/100	
Individual single pole module with dual pins. 7.5 mm	8375	25.700.0153	100	0.37	
Adaptor to increase pin spacing to 10.0 mm.	—	07.300.2753	50	0.06	
Test plug	Red Blue	ST 2/2,3 ST 2/2,3	Z5.553.2921 Z5.553.2921.6	50 50	0.17 0.17
Rapid Marking Strip Unmarked	7.5 mm 10.0 mm	9705A/7.5/10 9705A/5/10	04.242.7553 04.242.5053	25 25	— —
Rapid Marking Strip Marked 1-10, 11-20, to 991-999	7.5 mm	9705A/7.5/ 10B*	04.842.7553	25	—
Rapid Marking Strip Marked 1-5, 6-10, to 996-999	10.0 mm	9705A/5/10/ 5B*	04.842.5553	25	—
Tear-off Marking Strips		9704A	see page 62		
Marking tag — Unmarked — White		9705A	see page 60		
Marking tag — Marked in black on white tag.		9705AB*	04.842.0850	500	—

*Special order only. Non-stock item.

Disconnect Two Piece Terminal Strips for Printed Circuit Boards

Type 8112



1.5 mm²

The new Type 8112 disconnect terminal strip is available in 2 to 20 pole units. A complete disconnect terminal is made up of two parts:

- 1) plug with pressure screw connections
- 2) receptacle with 1.3 mm dia. solder pins for soldering into printed circuit board. Solder pins available at right angle or horizontal position.

300 V.
14 AWG MAX.
10 AMP.

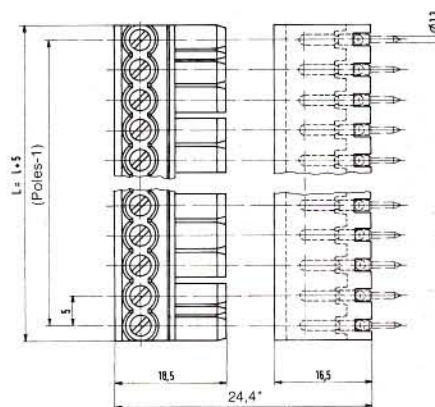
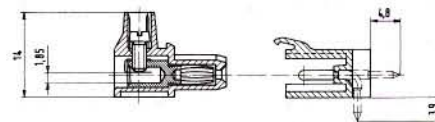
- Materials — Insulating body — Polyamid 6.6
 Continuous Operating Temperature 100° C
- Plug and receptacle connectors — brass, nickel plated.
 - Soldering pins — E-Cu, zinc plated.
 - Pressure screws — steel zinc plated and dichromated.
 - Wire guard — phosphor bronze — nickel plated.

Screw M3
 Tightening Torque: 0,5 Nm
 Stripping Length: 5,5 mm



Receptacle with right angled solder pins

Plug



* Fully plugged — 24.4 mm

No. of poles	Plug			Receptacle with right angled solder pins	Receptacle with horizontal solder pins	Std. Pack	wt/100
	Cat. No.	Std. Pack	wt kg/100				
2	25.610.0253	500	.3	Z5.598.4253	Z5.598.6253	500	.11
3	25.610.0353	250	.4	Z5.598.4353	Z5.598.6353	250	.17
4	25.610.0453	250	.6	Z5.598.4453	Z5.598.6453	250	.22
5	25.610.0553	250	.7	Z5.598.4553	Z5.598.6553	250	.28
6	25.610.0653	200	.9	Z5.598.4653	Z5.598.6653	200	.33
7	25.610.0753	200	1.0	Z5.598.4753	Z5.598.6753	200	.39
8	25.610.0853	200	1.2	Z5.598.4853	Z5.598.6853	200	.44
9	25.610.0953	200	1.3	Z5.598.4953	Z5.598.6953	200	.50
10	25.610.1053	100	1.5	Z5.598.5053	Z5.598.7053	100	.55
11	25.610.1153	100	1.6	Z5.598.5153	Z5.598.7153	100	.61
12	25.610.1253	100	1.7	Z5.598.5253	Z5.598.7253	100	.66
13	25.610.1353	100	1.9	Z5.598.5353	Z5.598.7353	100	.72
14	25.610.1453	100	2.0	Z5.598.5453	Z5.598.7453	100	.77
15	25.610.1553	100	2.2	Z5.598.5553	Z5.598.7553	100	.83
16	25.610.1653	50	2.4	Z5.598.5653	Z5.598.7653	50	.88
17	25.610.1753	50	2.5	Z5.598.5753	Z5.598.7753	50	.94
18	25.610.1853	50	2.6	Z5.598.5853	Z5.598.7853	50	.99
19	25.610.1953	50	2.8	Z5.598.5953	Z5.598.7953	50	1.05
20	25.610.2053	50	2.9	Z5.598.6053	Z5.598.8053	50	1.10

Contact spacing 5 mm — For PC boards 1.4 to 1.8 mm thick (including contact surface)

MATERIALS: Insulating body — Fibreglass reinforced polycarbonate
 Pressure connectors — Brass, nickel plated
 Contact springs — Phosphore bronze, silver plated
 Pressure screw — Steel, zinc plated
 Locking piece, end clamp, PC board guide bracket and bracing strip — fibreglass reinforced polycarbonate

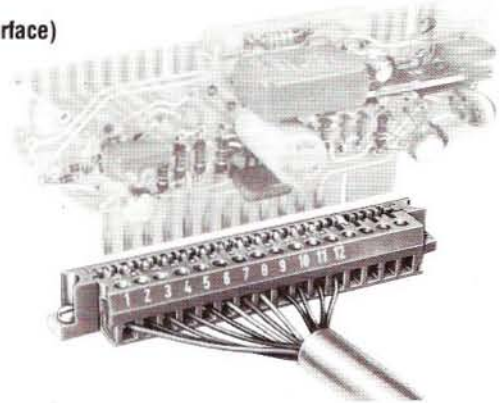
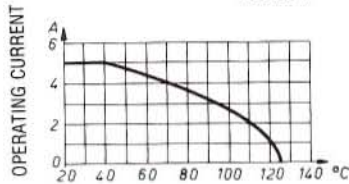


FIGURE 1



AMBIENT TEMP.

Air and creepage distance 0.5 mm

Electrical Data:

Pressure connectors — 16 AWG max (1.5 mm²) Voltage resistance (between two adjacent contacts) 750V AC Pull out force $\geq 0.12N$ for each contact part. Operating current for each contact part depending on the ambient temperature (Figure 1)

Application range:

-40°C to +125°C

75% average/year relative humidity (with max 95% for 30 days)

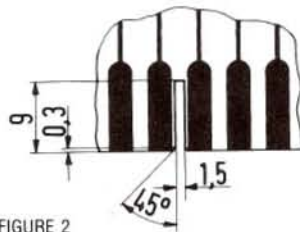


FIGURE 2

Construction:

The edge connector is firmly closed by a bottom cover sealed by ultrasonic means. The contact springs of phosphore bronze are freely suspended in the insulating body and have a wide contact surface. Pressure connectors are supplied open and therefore pressure screws do not have to be loosened prior to inserting conductors. Pressure screws are furthermore captive and will not get lost.

Between each contact a slot is provided for a coding chip (No. 05.593.7756) and cutting a 9 × 1.5 mm slot in the PC board (Figure 2) allows a corresponding coding system.

Poles are consecutively numbered from 1 and up in white.* (Figure 3)



FIGURE 3

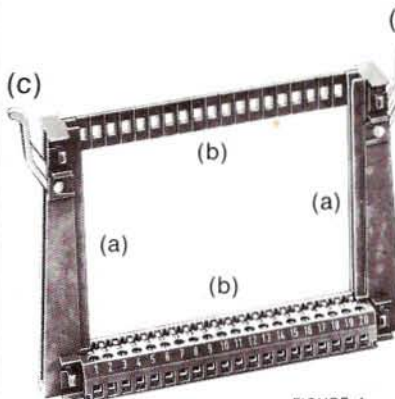


FIGURE 4

- (c) Securing of the PC board edge connectors can be achieved by
- End clamps (No. 05.522.7356)— 2 required per connector with mounting holes for 3M screws. (Figure 3)
 - For larger PC boards, guide brackets are recommended, consisting of:
 - board guide brackets (No. 05.593.8853) — 2 required (Figure 4)
 - bracing strip (No. 07.413.3653) — 2 required and cut to required length (Figure 4)
 - locking lever (No. 05.594.3653) — 2 required (Figure 4)

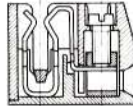
(*) Special numbering sequences can be supplied. Minimum order 1000 pieces.

1,5 mm²

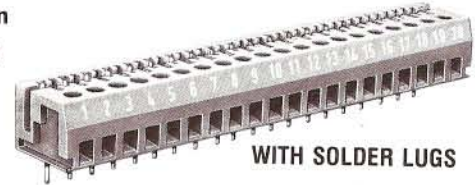


WITHOUT SOLDER LUGS

300 V. 10 Amp.
16 Awg. Max.

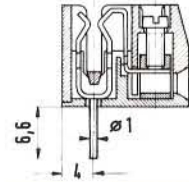


Screw M2,5
Tightening Torque: 0,4 Nm
Stripping Length: 5,5 mm



WITH SOLDER LUGS

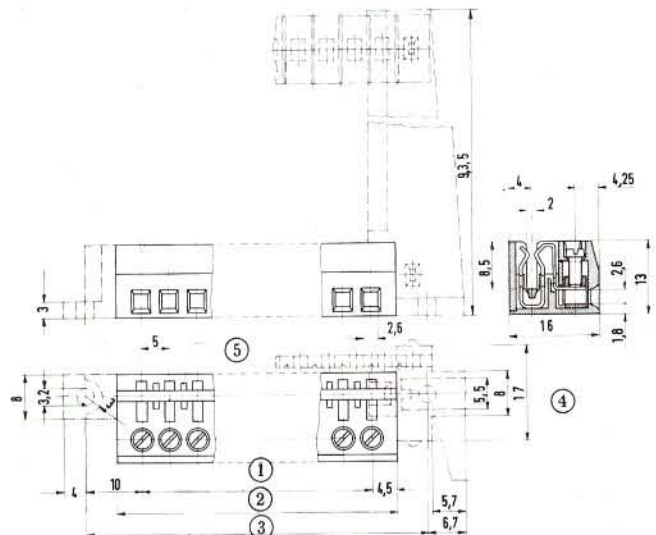
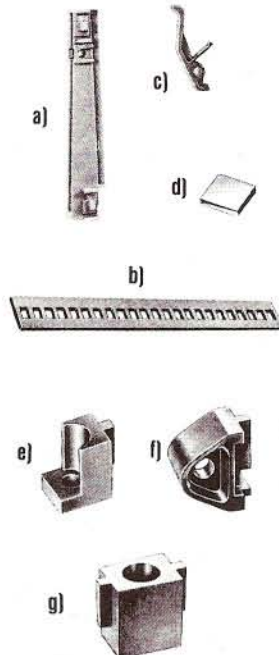
300 V. 10 Amp.
16 Awg. Max.



no. of poles	type	cat. no.	std. pkg. quantity	weight kg/100	PC board width (mm)	no. of poles	type	cat. no.	std. pkg. quantity	weight kg/100	PC board width (mm)
2	LPST 1/2	25.000.0256	500	0.37	10	2	LPST L 1/2	25.001.0256	500	0.38	10
3	LPST 1/3	25.000.0356	500	0.55	15	3	LPST L 1/3	25.001.0356	500	0.57	15
4	LPST 1/4	25.000.0456	250	0.73	20	4	LPST L 1/4	25.001.0456	250	0.76	20
5	LPST 1/5	25.000.0556	250	0.92	25	5	LPST L 1/5	25.001.0556	250	0.95	25
6	LPST 1/6	25.000.0656	200	1.10	30	6	LPST L 1/6	25.001.0656	200	1.14	30
7	LPST 1/7	25.000.0756	200	1.29	35	7	LPST L 1/7	25.001.0756	200	1.32	35
8	LPST 1/8	25.000.0856	200	1.47	40	8	LPST L 1/8	25.001.0856	200	1.51	40
9	LPST 1/9	25.000.0956	200	1.65	45	9	LPST L 1/9	25.001.0956	200	1.70	45
10	LPST 1/10	25.000.1056	100	1.84	50	10	LPST L 1/10	25.001.1056	100	1.89	50
11	LPST 1/11	25.000.1156	100	2.02	55	11	LPST L 1/11	25.001.1156	100	2.08	55
12	LPST 1/12	25.000.1256	100	2.20	60	12	LPST L 1/12	25.001.1256	100	2.28	60
13	LPST 1/13	25.000.1356	100	2.39	65	13	LPST L 1/13	25.001.1356	100	2.46	65
14	LPST 1/14	25.000.1456	100	2.57	70	14	LPST L 1/14	25.001.1456	100	2.65	70
15	LPST 1/15	25.000.1556	100	2.75	75	15	LPST L 1/15	25.001.1556	100	2.83	75
16	LPST 1/16	25.000.1656	100	2.94	80	16	LPST L 1/16	25.001.1656	100	3.02	80
17	LPST 1/17	25.000.1756	50	3.12	85	17	LPST L 1/17	25.001.1756	50	3.21	85
18	LPST 1/18	25.000.1856	50	3.30	90	18	LPST L 1/18	25.001.1856	50	3.40	90
19	LPST 1/19	25.000.1956	50	3.49	95	19	LPST L 1/19	25.001.1956	50	3.59	95
20	LPST 1/20	25.000.2056	50	3.67	100	20	LPST L 1/20	25.001.2056	50	3.79	100

ACCESSORIES **CAT. NO.**

- a) GUIDE BRACKET 05.593.8853
- b) BRACING STRIP 07.413.3653
- c) LOCKING LEVER 05.594.3653
- d) CODING CHIP 05.593.7756
- e) END CLAMP 05.522.7356
- f) END CLAMP FLAT MOUNTING 05.522.7856
- g) MIDDLE CLAMP TO JOIN 2 EDGE CONNECTORS FOR LARGE PC BOARDS 05.522.7756



- ① (NUMBER OF POLES MINUS 1) × 5
- ② (NUMBER OF POLES MINUS 1) × 5 + 9
- ③ (NUMBER OF POLES MINUS 1) × 5 + 20
- ④ MOUNTING HOLE FOR 3M SCREW
- ⑤ OPENING FOR LOCKING PIECE

Europa Flexible Terminal Strips

Materials:

Insulating body — Polyamid 6
 (100° C continuous use)
 Colour — natural
 Connectors — brass, nickel plated
 Wire guard — phosphor bronze
 Pressure screws — steel, zinc plated

The standard 12 pole terminals are easily cut to the required number of poles. For large requirements terminals can be cut at the factory to any number of poles.

Type 6 E

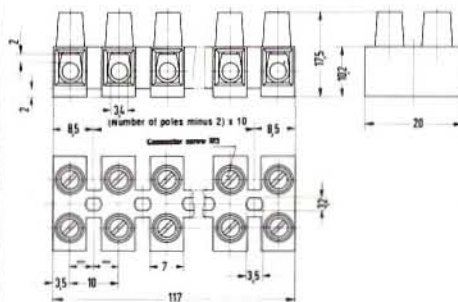
2,5 mm²

SCREW/SCREW CONNECTION



300 Volt
14 Awg.
20 Amp.

600 Volt with mounting shim



Screw M3
 Tightening Torque: 0,5 Nm
 Stripping Length: 5,5 mm

Type 6 ES

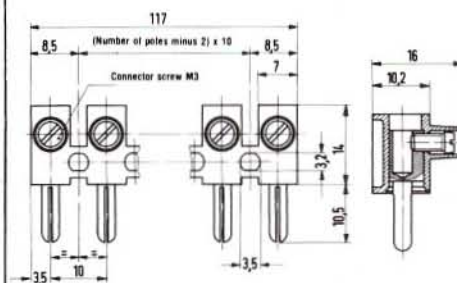
2,5 mm²

TYPE 6 E S
 SCREW/PLUG CONNECTION
 MATES WITH TYPE 6 E
 SCREW/SCREW CONNECTION
 (without wireguard)



300 Volt
14 Awg.
20 Amp.

Plugs are brass, nickel plated



Screw M3
 Tightening Torque: 0,5 Nm
 Stripping Length: 6,5 mm

Terminal Strips

Without wire guard

Standard 12 pole terminal strip

With wire guard

Wire guard (DS) prevents damage to fine wire strands and provides centre stop to prevent overlapping of wires.

Standard 12 pole terminal strip

Marking Strip



Comb type cross connector

600 Volt mounting shim*

No. of poles	Type	Cat. No.	Pack. qty. pcs.	Pack. wt. kg/100	length mm	No. of poles	Type	Cat. No.	Pack. qty. pcs.	Pack. wt. kg/100	length mm
1						1					
2						2					
3						3					
4						4					
5						5					
6						6					
7						7					
8						8					
9						9					
10						10					
12	6 E	21.310.1253	250	4.0	117	12	6 E S	22.310.1253	50	3.4	117
1	6 E/1 DS	21.311.0153	4000	.30	7	1					
2	6 E/2 DS	21.311.0253	1500	.61	17	2					
3	6 E/3 DS	21.311.0353	1500	.45	27	3					
4	6 E/4 DS	21.311.0453	1000	1.27	37	4					
5	6 E/5 DS	21.311.0553	500	1.59	47	5					
6	6 E/6 DS	21.311.0653	500	1.91	57	6					
7	6 E/7 DS	21.311.0753	50	2.23	67	7					
8	6 E/8 DS	21.311.0853	50	2.55	77	8					
9	6 E/9 DS	21.311.0953	50	2.87	87	9					
10	6 E/10 DS	21.311.1053	50	3.19	97	10					
12	6 E DS	21.311.1253	250	4.0	117	12	not available				
12	8006/12 BZ	04.030.1080	100	0.2	—						
12	VB 11/1/12	07.250.1227									
12		07.470.1280*									

4 mm²

6 mm²

16 mm²



Type 10 E

Type 16 E

Type 20 E

Screw/Screw connection

Screw/Screw connection

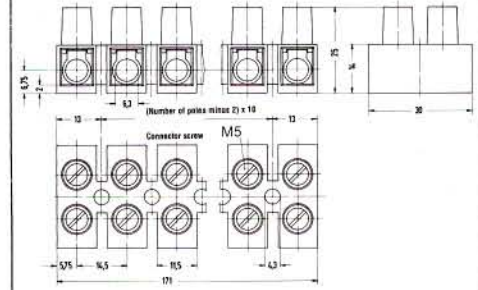
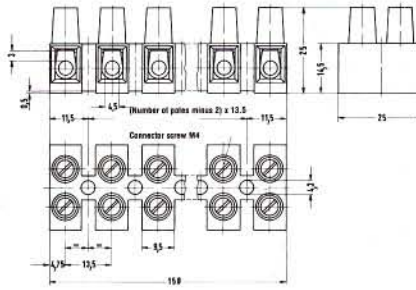
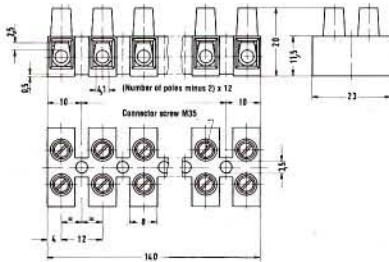
Screw/Screw connection



300 Volt * 600 Volt with mounting shim
12 Awg.
25 Amp.

300 Volt * 600 Volt with mounting shim
8 Awg.
55 Amp.

300 Volt * 600 Volt with mounting shim
6 Awg.
70 Amp.



Screw M3,5
Tightening Torque: 0,8 Nm
Stripping Length: 6 mm

Screw M4
Tightening Torque: 1,2 Nm
Stripping Length: 7 mm



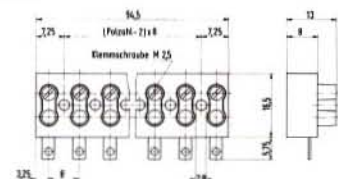
Screw M5
Tightening Torque: 2,0 Nm
Stripping Length: 8 mm

No. of poles	Type	Cat. No.	Pack. qty.	Pack. wt. kg/pcs.	length
1	10 E/ 1	21.331.5153	2000	.41	8
2	10 E/ 2 DS	21.331.5253	1000	.84	20
3	10 E/ 3 DS	21.331.5353	500	1.30	32
4	10 E/ 4 DS	21.331.5453	250	1.74	44
5	10 E/ 5 DS	21.331.5553	250	2.18	56
6	10 E/ 6 DS	21.331.5653	250	2.62	68
7	10 E/ 7 DS	21.331.5753	250	3.06	80
8	10 E/ 8 DS	21.331.5853	200	3.50	92
9	10 E/ 9 DS	21.331.5953	200	3.94	104
10	10 E/10 DS	21.331.6053	200	4.38	116
12	10 E DS	21.331.6253	100	5.26	140
12	10 E/12 BZ	04.070.1280			
12	VB 9786 M	07.253.0027			
12		07.471.1280*			
1	16 E/ 1	21.340.5153	200	0.79	9,5
2	16 E/ 2	21.340.5253	100	1.61	23
3	16 E/ 3	21.340.5353	50	2.43	36,5
4	16 E/ 4	21.340.5453	50	3.25	50
5	16 E/ 5	21.340.5553	50	4.07	63,5
6	16 E/ 6	21.340.5653	50	4.89	77
7	16 E/ 7	21.340.5753	40	5.71	90,5
8	16 E/ 8	21.340.5853	40	6.53	104
9	16 E/ 9	21.340.5953	20	7.35	117,5
10	16 E/10	21.340.6053	20	8.17	131
12	16 E	21.340.6253	20	9.91	158
12	16 E/12 BZ	04.090.1280			
12	not available				
12		07.472.1280*			
1	20 E/ 1	21.340.3153	200	0.9	11,5
2	20 E/ 2	21.340.3253	100	1.8	26,0
3	20 E/ 3	21.340.3353	50	2.7	40,5
4	20 E/ 4	21.340.3453	50	3.6	55,0
5	20 E/ 5	21.340.3553	50	4.5	69,5
6	20 E/ 6	21.340.3653	50	5.4	84,0
7	20 E/ 7	21.340.3753	50	6.4	98,5
8	20 E/ 8	21.340.3853	50	7.3	113,0
9	20 E/ 9	21.340.3953	20	8.2	127,5
10	20 E/10	21.340.4053	20	9.1	142,0
12	20 E	21.340.4253	20	10.9	171,0
12	8016/12 BZ	04.080.1080			
12	not available				
12		07.473.1280*			

Melamine Terminal Strips

1,5 mm²

1,5 mm²


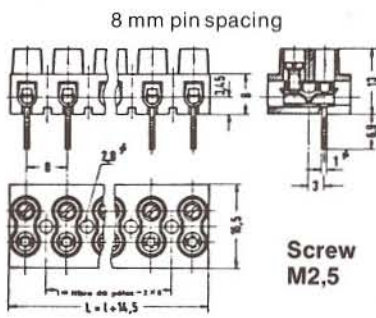

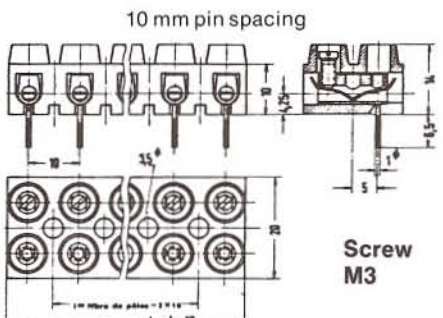
	Type 8030 DS KR	Type 8030 DS FKR
Materials Insulating body — Melamine 150 (130° C continuous use) Connectors — brass, nickel plated Wire guard — phosphor bronze Pressure screws — steel, zinc plated.	Screw/Screw connection	Screw/Solder lug connection
The 12 pole terminal strips can be saw-cut to any lesser number of poles as required.	 	 
	300 Volt 14 Awg. 10 Amp.	300 Volt 14 Awg Max. 10 Amp.
	Screw M2,5 Tightening Torque: 0,4 Nm Stripping Length: 4,5 mm	Screw M2,5 Tightening Torque: 0,4 Nm Stripping Length: 4,5 mm

Terminal Strips	No. of poles	Type	Cat. No.	Std. Pack	wt kg/100	length mm	No. of poles	Type	Cat. No.	Std. Pack	wt kg/100	length mm
	With wire guard	1	8030/1 DS KR	21.101.0140	500	.26	6,5	2	8030/2 DSF KR	21.105.0240	200	.46
	2	8030/2 DS KR	21.101.0240	250	.46	14,5	3	8030/3 DSF KR	21.105.0340	125	.69	22,5
	3	8030/3 DS KR	21.101.0340	200	.67	22,5	4	8030/4 DSF KR	21.105.0440	100	.92	30,5
	4	8030/4 DS KR	21.101.0440	150	.86	30,5	5	8030/5 DSF KR	21.105.0540	75	1.15	38,5
	5	8030/5 DS KR	21.101.0540	100	1.1	38,5	6	8030/6 DSF KR	21.105.0640	75	1.38	46,5
	6	8030/6 DS KR	21.101.0640	100	1.3	46,5	8	8030/8 DSF KR	21.105.0840	50	1.83	62,5
Standard 12 pole terminal strip	12	8030 DS KR	21.101.1240	45	2.47	94,5	12	8030 DSF KR	21.105.1240	25	2.76	94,5
Marking strip	12	8130/12 BZ	04.033.1080	100	—	—	12	8130/12 BZ	04.033.1080	100	—	—

Terminal Strips with Feed Through Solder Pins

1,5 mm²

2,5 mm²

	Type 8030 G DS KR	Type 8006 G DS KR
Materials Same as above. Soldering pins — E-Cu hot tinned. Size 1 mm dia.	 	 
	8 mm pin spacing	10 mm pin spacing
	Screw M2,5	Screw M3
	300 V. 10 A.	14 AWG 8030 12 AWG 8006

Terminal Strip	No. of poles	Type	Cat. No.	Std. Pack Qty.	length mm	No. of poles	Type	Cat. No.	Std. Pack Qty.	length mm
	Standard 12 pole terminal strip	12	8030 G DS KR	21.103.1240	40	94,5	12	8006 G DS KR	21.125.1240	30
With wire guard.	2	8030 /2G DS KR	21.103.0240	150	14,5	2	8006 /2G DS KR	21.125.0240	120	18
	3	8030 /3G DS KR	21.103.0340	120	22,5	3	8006 /3G DS KR	21.125.0340	100	28
	4	8030 /4G DS KR	21.103.0440	100	30,5	4	8006 /4G DS KR	21.125.0440	75	38
	5	8030 /5G DS KR	21.103.0540	75	38,5	5	8006 /5G DS KR	21.125.0540	60	48
	6	8030 /6G DS KR	21.103.0640	60	46,5	6	8006 /6G DS KR	21.125.0640	50	58
	8	8030 /8G DS KR	21.103.0840	50	62,5	8	8006 /8G DS KR	21.125.0840	40	78

Flexible Terminal Strips

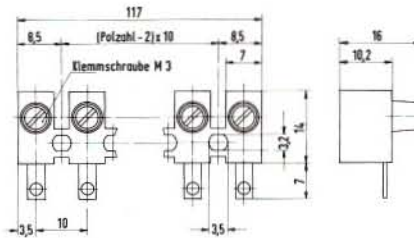


1,5 mm²

2,5 mm²

Type 6 ES F

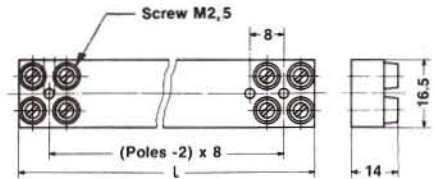
Screw/Solder Lug



300 V 14 AWG max. 10 Amp.

Type 8130 DS-PVC

Screw/Screw



300 V 14 AWG 10 Amp.

MATERIALS: — Type 6 ES F
 Insulating body — Polyamid 6 (100°C continuous use)
 Connectors — Brass, zinc plated
 Solder lugs — Brass, zinc plated
 Wire guard — Phosphor bronze
 Pressure screws — Steel, zinc plated

MATERIALS: — Type 8130 DS-PVC
 Insulating body — PVC thermoplastic (70°C continuous use)
 Connectors — Brass, nickel plated
 Wire guard — Phosphor bronze
 Pressure screws — Steel, zinc plated
 The 12 pole terminal strips can be saw cut to any lesser number of poles as required.

Terminal Strips

With wire guard

Standard 12 pole terminal strip

No. of poles	Type	Part No.	Pack. qty.	wt. pc.	ing length	No. of poles	Type	Cat. No.	Std. kg/pack	wt. 100	L mm
2	6 ES/ 2 DSF	22.313.0253	100	.41	17						
3	6 ES/ 3 DSF	22.313.0353	100	.62	27						
4	6 ES/ 4 DSF	22.313.0453	100	.83	37						
5	6 ES/ 5 DSF	22.313.0553	100	1.06	47						
6	6 ES/ 6 DSF	22.313.0653	100	1.27	57						
8	6 ES/ 8 DSF	22.313.0853	50	1.68	77						
12	6 ES DSF	22.313.1253	50	2.52	117	12	8130 DS	21.301.1255	50	2.61	95

Compact Terminal Strip

2.5 mm²

Type KL 16

MATERIALS: Insulating body — Polyamid 6
 Connectors — Brass, nickel plated
 Wire guard — Phosphor bronze
 Pressure screws — Steel, zinc plated

The connectors supplied with self-locking screws preventing loosening of contacts.
 All terminal strips supplied with a wire guard which will ensure that the fine wire conductors are not damaged.

The terminal poles are numbered consecutively.

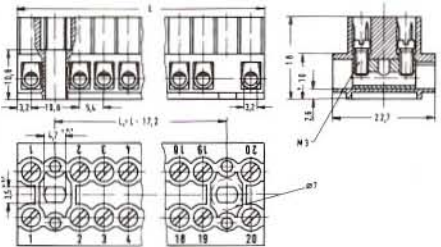
Screw/Screw



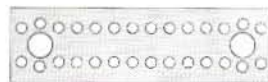
Terminal Strip

With wire guard

No. of poles	Type	Cat. No.	Std. Pack	wt. kg/100	L
4	KL 16 / 4 PA DS	29.401.0453	65	1.4	33.4
6	KL 16 / 6 PA DS	29.401.0653	50	2.0	44.2
8	KL 16 / 8 PA DS	29.401.0853	40	2.6	55
12	KL 16/12 PA DS	29.401.1253	30	3.7	76.6
16	KL 16/16 PA DS	29.401.1653	20	4.9	98.2
20	KL 16/20 PA DS	29.401.2053	15	6.0	119.8
4	BZKL 16/ 4Z	Z4.102.0480	100	.16	33,4
6	BZ KL 16/ 6Z	Z4.102.0680	100	.18	44,2
8	BZ KL 16/ 8Z	Z4.102.0880	100	.21	55
12	BZ KL 16/12Z	Z4.102.1280	100	.26	76,6
16	BZ KL 16/16Z	Z4.102.1680	100	.31	98,2
20	BZ KL 16/20Z	Z4.102.2080	100	.36	119,8
		07.250.1627	10	2.2	



MARKING STRIP, PVC, C/W 4 HOLD DOWN STUDS



CONNECTOR STRIP, E-Cu 0.6 mm long (110 poles)



300 V 12 AWG 25 A

Screw M3
 Tightening Torque: 0,5 Nm
 Stripping Length: 5,5 mm

Quick Connect Terminal Strips

Type KL 17

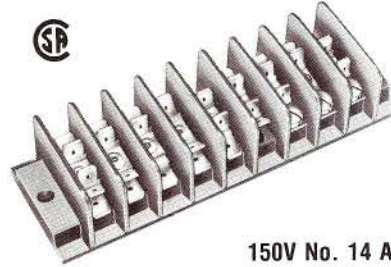
FOR QUICK CONNECT TERMINALS: .250 x .032 (6.3 x 0.8 mm)
 .187 x .032 (4.8 x 0.8 mm)

Screw M4
 Tightening Torque: 1,2 Nm

MATERIALS: Insulating body — Polyamid 6.6
 Quick connect — Brass, nickel plated
 Wire clip — Brass, nickel plated
 Square nut — Brass, nickel plated
 Screw, spring washer — Steel zinc plated di-chromated

These terminals allow contacts in 3 tiers, i.e. 6 contacts per pole. To achieve good electrical contact the individual quick connect terminals are riveted to each other and to the insulating body.

Combinations of quick connect terminals and/or screw connections are available up to 24 poles. Prices will be submitted upon receiving full information on the required combinations.



150V No. 14 AWG max 20A.

description	possible combinations	.250 x .032	.187 x .032	
QUICK CONNECT TERMINALS BOTH SIDES		05.554.0023	05.557.0025	$L = (\text{Number of poles} \times 11) + 11$
		05.554.0123	05.557.0125	
		05.554.0223	05.557.0225	
		05.554.0623		
QUICK CONNECT TERMINALS ONE SIDE ONLY		05.554.0323	05.557.0325	<p>Mounting holes in the middle</p>
		05.554.0423	05.557.0425	
		05.554.0523	05.557.0525	
QUICK CONNECT TERMINALS ONE SIDE SCREW CONNECTION OTHER SIDE		Z5.554.1225	Z5.557.1225	<p>Mounting hole in the middle and at the end</p>
		Z5.554.1325	Z5.557.1325	
		Z5.554.1425	Z5.557.1425	
QUICK CONNECT TERMINALS ONE SIDE SCREW CONNECTION WITH SPRING WASHER OTHER SIDE		Z5.554.6725	Z5.557.6725	<p>Mounting holes at each end</p>
		Z5.554.6825	Z5.557.6825	
		Z5.554.6925	Z5.557.6925	
SCREW CONNECTION BOTH SIDES		10.500.0400	10.500.0400	



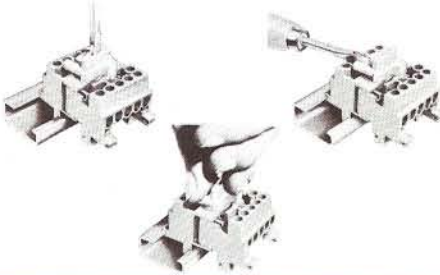
Type ST25/5

5-pole plug and socket connector

FOR MOUNTING ON RAIL TYPE 9006

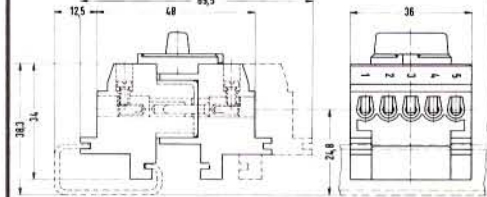
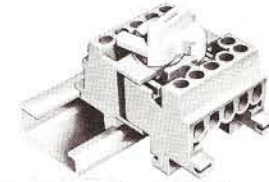
MATERIALS: Insulating body — Polyamid 6.6
 Plug and Socket connectors — Brass, silver plated
 Pressure screws — Steel, zinc plated and di-chromated

Screw **M3**
 Tightening Torque **0,5 Nm**
 Stripping Length **5,5 mm**



The connectors come with self-locking pressure screws and phosphor bronze wire guards.

The 5-Pole Plug and Socket connector can be supplied with or without a locking device. Poles are numbered from 1 to 5 with embossed figures.



300V No 14 AWG max.

description	material	type	Cat. no.	std. pkg. quantity	weight kg/100
SOCKET SIDE	Polyamid	ST 25/5 B	93.031.2053	50	2.70
PLUG SIDE WITH LOCKING DEVICE	Polyamid	ST 25/5 SV	93.032.2453	40	2.60
PLUG SIDE WITHOUT LOCKING DEVICE	Polyamid	ST 25/5 S	93.032.2053	40	2.30
CROSS CONNECTION for 5 poles	E-Cu	VB 11/2	07.250.2527	50	0.25

Type ST28/10

10 - pole plug and socket connector type ST28/10

Materials:

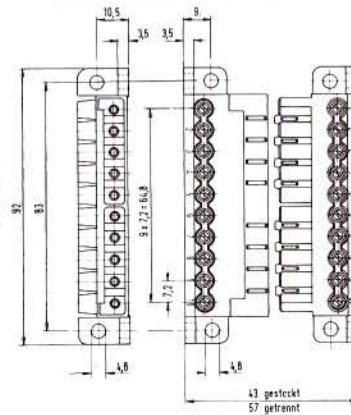
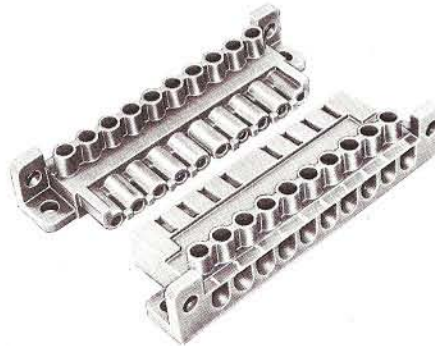
Insulating body — Polyamid 6.6
 Plug and Socket connectors — Brass, silver plated(1)
 Pressure screws — Steel zinc plated and chromated
 Wire guard — phosphor bronze

(1) Also available gold plated.



300V 16 Amp

Screw **M3**
 Tightening Torque **0,5 Nm**
 Stripping Length **5,5 mm**



Description	material	Type	no.	Std. pkg. quantity	Weight kg/100
socket side	polyamid	ST 28/10B	93.001.1053	10	3.4
plug side	polyamid	ST 28/10S	93.002.1053	10	3.4
complete unit	polyamid	ST 28/10BS	93.003.1053	10	6.8
coding pin	—	—	05.594.5153	100	—
mounting bracket for rail 9006	—	—	69.332.0000	100	0.4
coloured buttons — red	—	BZ 12	04.232.0051.5	100	—
— blue	—	BZ 12	04.232.0051.6	100	—
— green	—	BZ 12	04.232.0051.7	100	—
— yellow	—	BZ 12	04.232.0051.8	100	—
— orange	—	BZ 12	04.232.0051.9	100	—
— brown	—	BZ 12	04.232.0051.4	100	—
— black	—	BZ 12	04.232.0051.1	100	—
spacer - for through panel mounting	polyamid	—	05.599.0853	100	—

Plug and Socket Connectors

10 - pole plug and socket connector type ST28/10 (cont'd)

Combina- tion No.	Slot Position							
	1	2	3	4	5	6	7	8
1	S	B	B	B	B	B	B	S
2	S	B	B	B	B	B	S	B
3	S	B	B	B	B	S	B	B
4	S	B	B	B	S	B	B	B
5	S	B	B	S	B	B	B	B
6	S	B	S	B	B	B	B	B
7	S	S	B	B	B	B	B	B
8	B	S	B	B	B	B	B	S
9	B	S	B	B	B	B	S	B
10	B	S	B	B	B	S	B	B
11	B	S	B	B	S	B	B	B
12	B	S	B	S	B	B	B	B
13	B	S	S	B	B	B	B	B
14	B	B	S	B	B	B	B	S
15	B	B	S	B	B	B	S	B
16	B	B	S	B	B	S	B	B
17	B	B	S	B	S	B	B	B
18	B	B	S	S	B	B	B	B
19	B	B	B	S	B	B	B	S
20	B	B	B	S	B	B	S	B
21	B	B	B	S	B	S	B	B
22	B	B	B	S	S	B	B	B
23	B	B	B	B	S	B	B	S
24	B	B	B	B	S	B	S	B
25	B	B	B	B	S	S	B	B
26	B	B	B	B	B	S	B	S
27	B	B	B	B	B	S	S	B
28	B	B	B	B	B	B	S	S

Coding plan for the ST 28/10 connector

To ensure that only the proper plug is mated with the corresponding socket, the ST 28/10 can be coded with pins positioned in the eight slots provided for this purpose both on the plug and socket side according to plan illustrated alongside.

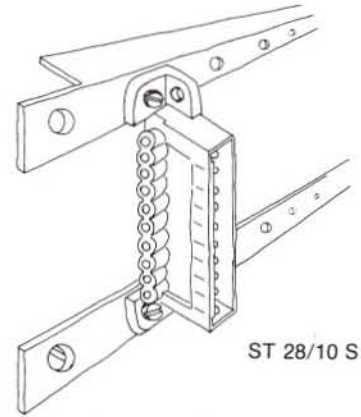
This coding plug gives 18 different mating combinations.

Examples:

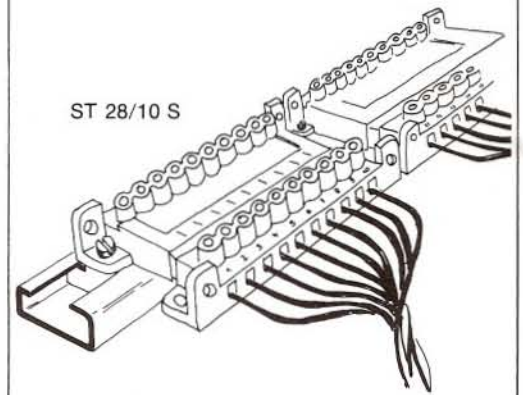
- (a) For combination **No 1** insert coding pins on plug side in slot positions 1 and 8; insert coding pins on socket side in slot positions 2, 3, 4, 5, 6
- (b) For combination **No 12** insert coding pins on plug side in slot positions 2 and 4; insert coding pins on socket side in slot positions 1, 3, 5, 6, 7 and 8 etc...

S stands for plug side
B stands for socket side

Outside Mounting Arrangements



On Angle Structure



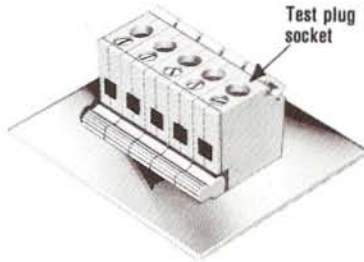
Rail Mounting



Type 9290

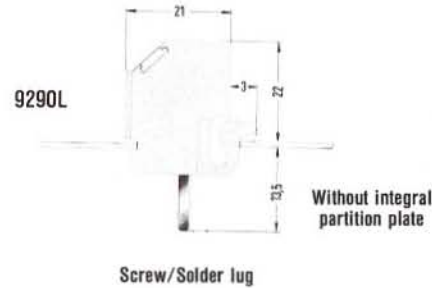
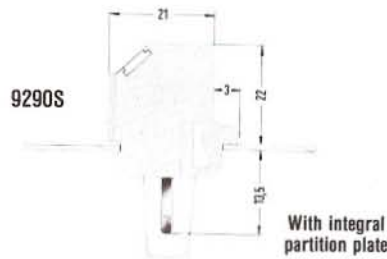
MATERIALS: Insulating body — Polyamid 6.6
 Connectors — Brass, nickel plated
 Solder lug — E-Cu hot dip galv.
 Wire wrap — E-Cu hot dip galv.
 Wire guard — Phosphor bronze

300V No 14 AWG max. 10 Amp.
 Width 6 mm.



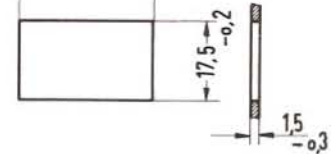
Test plug socket

Screw M3
 Tightening Torque 0,5 NM
 Stripping Length 8,0 mm










Size of cut-out in panel or chassis surface.
 Number of terminals x 6.1

Number of terminals x 6.1



The 9290 micro feed-through terminal is mounted to a panel or chassis directly. It fits into a pre-cut opening on the panel or chassis surface (see diagram above). The 9290 snaps into the pre-cut opening and is held firmly by the plastic foot of the insulating body; the elastic foot is pressed to allow the 9290 terminal to be removed from the panel.

description		material	type	no.	std. pkg. quantity	weight kg/100
WITH INT. PARTITION PLATE	SCREW/SOLDER LUG	Polyamid	9290 S	59.900.2552	100	0.40
WITHOUT INT. PARTITION PLATE	SCREW/SOLDER LUG	Polyamid	9290 L	59.900.2052	100	0.40
	END CLAMP 10 mm wide	Brass, Nickel plated	2153	25.522.1823	100	
	TEST PLUG, 2.3 mm	Brass, Nickel plated	ST 2/2.3 Red	25.553.2931	50	0.20
	MARKING TAG, UNMARKED	Polystyrol	9003 C	04.241.0651	500	—
	RAPID MARKING STRIP, UNMARKED	Polyamid	9003 C/6/10	04.241.8053	25	—
	RAPID MARKING STRIP, MARKED 1 to 10, 11 to 20...981 to 990, 991 to 999		9003 C/6/10 B	04.841.8053	25	—
	RAPID MARKING STRIP - 9 MARKERS 1 to 9	Polyamid	9003 C/6/9 B	04.841.7953	25	—
	TAG CARRIER: for tear-off marking strip	Polystyrol	9003 C/4	04.242.1050	200	—
	TEAR-OFF MARKING STRIP, WHITE (To be used with tag carrier 9003 C/4)	Polyamid		See page 62		

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WK 4 TKG/15	55.504.4053.0	19	10 E/12 BZ	04.070.1280	77	8145/2	25.135.0253	70
WK 4 TKS/U	57.504.3053.0	15				TO	TO	
WK 4 TKS/15	55.504.3053.0	19	16 E/1	21.340.5153	77	8145/24	25.135.2453	70
WK 4 TKS P 1/U	57.504.3153.0	15	TO	TO				
WK 4 TKS P 2/U	57.504.3253.0	15	16 E	21.340.6253	77	8145/2 OB	25.136.0253	70
WK 4 TKS P 3/U	57.504.3353.0	15	16 E/12 BZ	04.090.1280	77	TO	TO	
WK 4 TKS P1/15	55.504.3153	19	20 E/1	21.340.3153	77	8145/24 OB	25.136.2453	70
WK 4 TKS P 2/15	55.504.3253	19	TO	TO				
WK 4 TKS P 3/15	55.504.3353	19	20 E	21.340.4253	77	8145/4/2	25.137.0253	70
						TO	TO	
WK 4 3 S 1 K/IW/U	57.504.2453.0	17	300/9008	69.920.0254	63	8145/24/12	25.137.1253	70
WK 4 5 S 2,8	57.504.2853.0	17	300 B/9022	69.920.0310	63			
1 K/IW/U			319/13.5 K SCHW.	90.800.1055.1	63	8145/4/2 OB	25.138.0253	70
WK 4 5 S 2,8 1 K/U	57.504.3853.0	17				TO	TO	
WK 4 3—6 S 1	57.504.2753.0	17	2072/2	Z7.220.0227	44	8145/24/12 OB	25.138.1253	70
K/IW/U			TO	.TO				
WK 4 3—6 S 1 K/U	57.504.3753.0	17	2072/6	Z7.220.0627	44	8180/2	25.100.0253	68
WK 4 3 S 1 K/U	57.504.3453.0	17	2072 M	Z7.210.1027	35	TO	TO	
			2153	Z5.522.1823	83	8180/24	25.100.2453	68
WK 6/32	54.506.0053.0	5						
WK 6 ETK/U	57.506.8053.0	10	8006/12 BZ	04.030.1080	76	8180/4/2	25.101.0253	68
WK 6 SL/32	54.506.9053.0	7	8006/2 G DS KR	21.125.0240	78	TO	TO	
			TO	TO		8180/24/12	25.101.1253	68
WK 10/SI 32 5 x 20	54.910.5053.0	14	8006 G DS KR	21.125.1240	78			
WK 10/SI 32 6,3 x 32	54.910.5353.0	14	8016/12 BZ	04.080.1080	77	8181/2	25.102.0253	69
WK 10/SI 32	54.910.5453.0	14	8030/2 DS FKR	21.105.0240	78	TO	TO	
5 x 20 ngl			TO	TO		8181/24	25.102.2453	69
WK 10/SI 32	54.910.5753.0	14	8030 DS FKR	21.105.1240	78			
6,3 x 32 ngl						8181/4/2	25.103.0253	69
WK 10/SI 32	54.910.5853.0	14	8030/1 DS KR	21.101.0140	78	TO	TO	
5 x 20 glb			TO	TO		8181/24/12	25.103.1253	69
WK 10/SI 32	54.910.6153.0	14	8030 DS KR	21.101.1240	78			
6,3 x 32 glb						8190/2	25.130.0253	71
WK 10/32	54.510.0053.0	5	8030/2 G DS KR	21.103.0240	78	8190/3	25.130.0353	71
WK 10 ETK/U	57.510.8053.0	11	TO	TO		8190/8	25.130.0853	71
WK 10 SL/32	54.510.9053.0	8	8030 G DS KR	21.103.1240	78	8190/12	25.130.1253	71
WK 16/32	54.516.0053.0	5	8112/2 PLUG	25.610.0253	73	8190/2 OB	25.131.0253	71
WK 16 ETK/U	57.516.8053.0	11	TO	TO		8190/3 OB	25.131.0353	71
WK 16 SL/32	54.516.9053.0	8	8112/20	25.610.2053	73	8190/8 OB	25.131.0853	71
			RECEPTACLE	Z5.598.4253	73	8190/12 OB	25.131.1253	71
WK 35/32	54.535.0053.0	6						
WK 35 SL/32	54.535.9053.0	9						
						8281/2	25.104.0253	69
WK 70/32	54.570.0053.0	6	8130/12 BZ	04.033.1080	78	TO	TO	
						8281/24	25.104.2453	69
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			TO	TO				
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TO	TO		8140 SS/2	25.600.0253	66	9003 CB	04.841.0651	54, 55
6 E DS	21.311.1253	76	TO	TO		9003 CL	04.241.0951	35
			8140 SS/20	25.600.2253	66	9003 CLB	04.841.0951	—
6 E S	22.310.1253	76				9003 C/6/9B	04.841.7953	35
			8140 SS/4/2	25.601.0253	66	9003 C/6/10	04.241.8053	44, 45
6 ES/2 DSF	22.313.0253	79	TO	TO		9003 C/6/10B	04.841.8053	50, 51
TO	TO		8140 SS/20/10	25.601.1053	66	9003 C/3	04.242.1150	54, 55
6 ES DSF	22.313.1253	79				9003 C/4	04.242.1050	55
			8141 SS/2	25.604.0253	67	9004 B	04.849.0032	—
10 E	—	77	TO	TO		9006	98.190.0000	20
10 E/1 DS	21.331.5153	77	8141 SS/20	25.604.2053	67	9006 AL	98.210.0000	20
TO	TO					9006 E-Cu	98.220.0000	20
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						9008 U	Z5.522.1321	29

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9010 C	05.508.2621.0	—	9160 APTKPKAKR	59.910.0440	48	9550/50-70 A	04.310.2280	47
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9011 B	05.508.3221.0	45, 48	9200 KA 6.6 DF 1	50.003.0553.0	54			
9011 C	05.508.8821.0	44, 50	9200 KA 6.6 DF 2	50.003.1053.0	54	9700/6 3 S 1 K	54.004.0453.0	35
9011 D	05.508.8921.0	45, 54	9200 KA 6.6 F 1	50.003.2053.0	54	9700/6 5 S	54.004.0553.0	35
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9014/3	Z7.290.2330	46	9203 A/4	04.242.1450.0	48, 49	9700 B/5	54.003.6053.0	28
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			9210 KR	50.306.0040	45			
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			9215-6	Z7.210.3627.0		9700 B/6 Yellow	54.004.6053.8	29
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9016/4	Z7.230.0421	46				9700 B/6 DF 2	54.004.6853.0	33
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9016/6	Z7.230.0621	46	9220 FI KR	52.506.0140	51	9700 B/6 E	54.004.7053.0	32
			9220 F2 KR	52.506.0240	51	9700 B/6 E A	54.004.7153.0	32
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			9220 KF2 KR	52.506.0440	51	9700 B/6 EA GO	54.004.8253	33
9021 (1 m)	98.090.0000	20				9700 B/6 EA GU	54.004.8153.9	33
9021 (2 m)	98.090.0015	20	9220 A/6	55.004.2053	56	9700 B/6 ETK	54.004.8053.0	36
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9022 E	Z5.522.3510.0	51	9220 A/6 TP3	55.004.2353	57			
9034	Z7.269.0825.0	31	9220 A/6 TKS PI	55.004.3153	57	9700 B/6 SL	54.004.9053	36
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9040 KA KR	50.816.0040.0	46	9220 KA 6.6	52.504.0053.0	55	9700 B/6 TKS D	54.004.7453	34
9040 M BZ	59.900.0032	63	9220 KA 6.6 F1	52.504.1553.0	55	9700 B/6 TKS OR PI	54.004.3253	34
9040 M BZ	59.900.0032.0	63	9220 KA 6.6 F2	52.504.2053.0	55	9700 B/6 TKS PI	54.004.3153	34
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9041 T KR	07.310.0740.0	46	9220 KA 6.6 DF2	52.504.1053.0	55	9700 B/8	54.010.6053.0	29
						9700 B/8 Blue	54.010.6053.6	29
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9050/6 UKR	50.206.0040	—				9700 B/8 SL	54.010.9053.0	37
			9253/2.5 M	Z7.210.0027.0	—			
9051/2.5 UB KR	07.310.0940.0	44	9253/6 M	Z7.210.2027.0	45	9700 B/10	54.016.6053.0	31
9051/6 U KR	07.310.1140.0	—				9700 B/10 ETK	54.016.8053.0	37
			9270/3/0.5	52.599.0452.0	58	9700 B/10 SL	54.016.9053.0	37
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			9290 S	59.900.2552.0	83			
9060 APDAKAKR	59.916.0040	49				9701/6	07.310.3153	28
			9303	04.243.0055	46	9701/6 Blue	07.310.3153.6	28
9061 APKR	07.310.1740	48				9701/6 Yellow	07.310.3153.8	28
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9061 SI KR	07.310.4340	52	9303 C	04.243.0355.0	35	9701/6 3 S IK	07.310.3853	35
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9704 A Yellow	04.241.1150.8	62	9863/6	07.251.6623.0	38
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9704 A/0B	04.841.2050	62			
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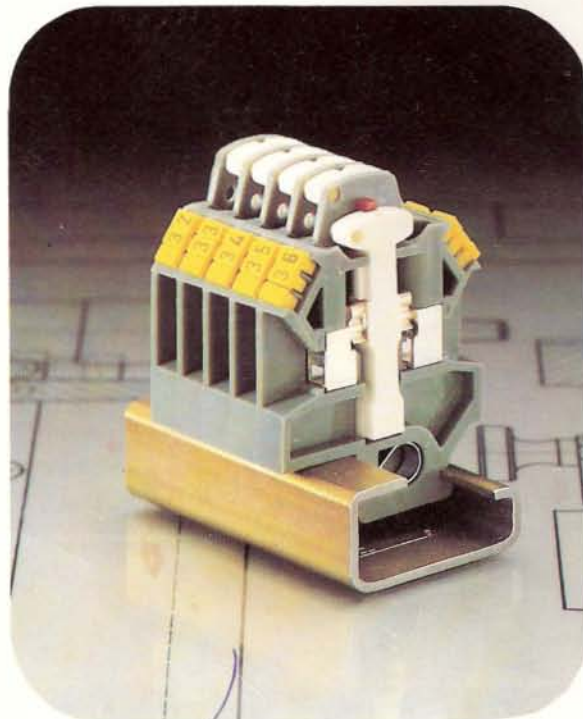
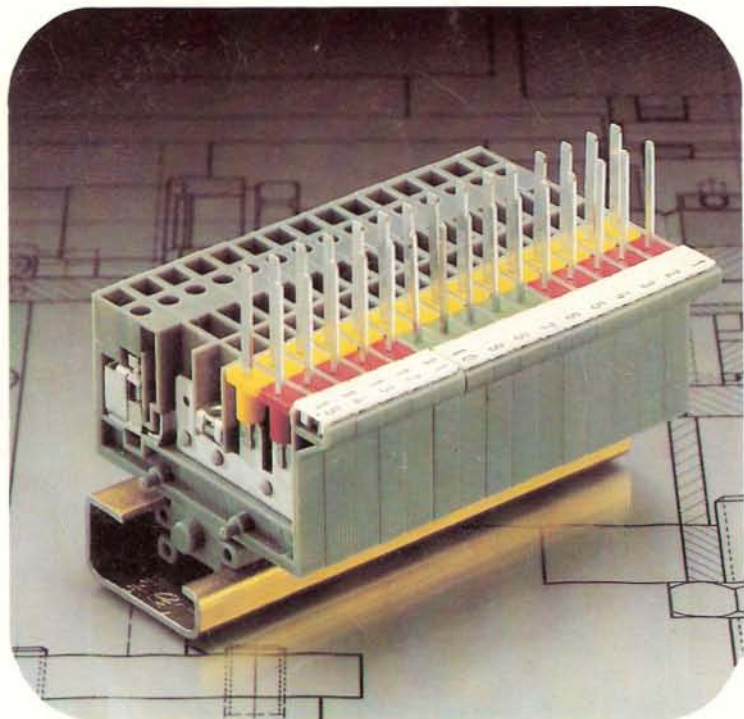
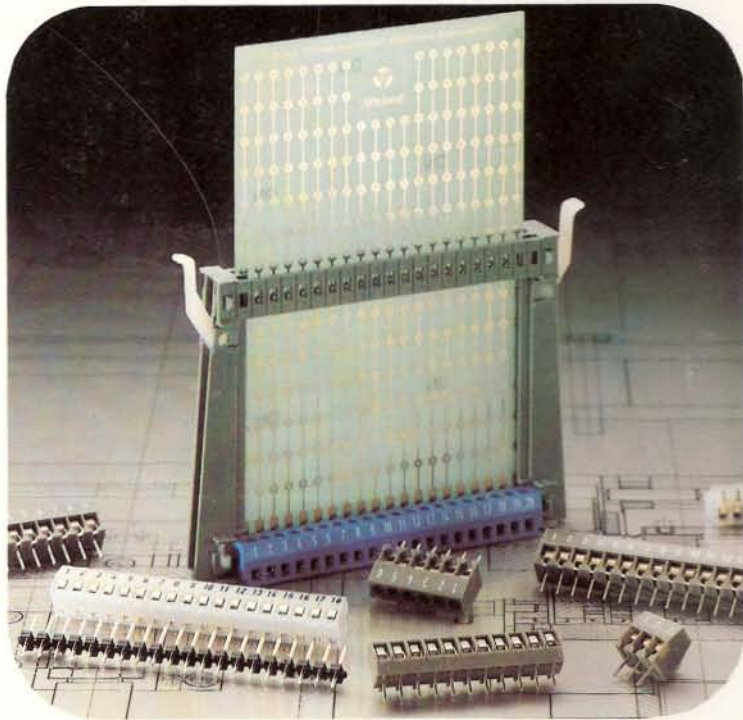
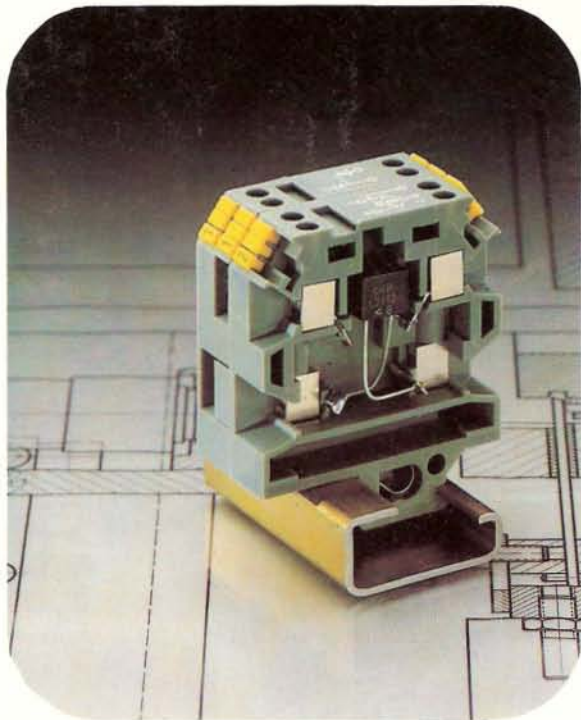
Canadian Standards Association Certifications

Type	AWG Max	V	A	CSA Card	Type	AWG Max	V	A	CSA Card
KK15 (1)	12	300	20	—	9040KAKR	6	600	80	12722
KL16/4-20	12	300	25	12722	9050/2.5UBKAKR	12	300	25	12722
KL17	14	150	20	12722	9060Si	—	300	10	39915
RFK1/95...	3/0	600	260	12722	9060APDAKAKR	6	600	80	12722
RFK1/150...	300 MCM	600	375	12722	9140KAKR	6	600	80	12722
RFK1/185...	400 MCM	600	435	12722	9160Si	—	300	10	39915
RFK1/240...	500 MCM	600	500	12722	9200KA6.6	12	300	25	12722
ST28/10	—	300	16	39915	9200KA6.6F	18	300	6	12722
WK2.5/...	12	600	25	12722	9200KA6.6DF	18	300	6	12722
WK4/...	10	600	40	12722	9210KR	10	600	40	12722
WK4E (1)	12	300	10	—	9220KA6.6	10	300	40	12722
WK4TKS (1)	12	300	10	—	9220KA6.6F	16	300	8	12722
WK4TKG (1)	12	300	10	—	9220KA6.6DF	16	300	8	12722
WK43S1K (1)	—	300	10	—	9220KR	10	150	40	12722
WK4/15 (1)	12	600	40	—	9220KR	—	300	10	39915
WK4TKS/15 (1)	12	300	10	—	9220KRF	—	300	8	39915
WK4TKG/15 (1)	12	300	10	—	9220KRDF	—	300	8	39915
WK6/...	8	600	55	12722	9220A/6 (1)	10	600	40	—
WK10/...	6	600	80	12722	9220A/6TP (1)	14	300	10	—
WK10/Si	6	300	10	39915	9220A/6TKS	—	300	10	39915
WK16/...	4	600	105	12722	9270/3 (1)	—	150	5	—
WK35/...	2	600	140	12722	9290S	—	300	10	39915
WK70/... (1)	2/0	600	225	—	9550/25-35KR	2	600	140	12722
6ES	14	300	20	39915	9550/50-70KR	2/0	600	225	12722
6EDS	14	300	20	39915	9700/6 3S1K	—	300	10	39915
10EDS	12	300	25	39915	9700/6 5S	—	300	10	39915
16E	8	300	55	39915	9700B/5	12	600	25	12722
20E	6	300	70	39915	9700B/6	10	600	40	12722
6 EDS with 07.470.1280	14	600	20	39915	9700B/6TKS	—	300	10	39915
10 EDS with 07.471.1280	12	600	25	39915	9700B/6F	—	300	10	39915
16 E WITH 07.472.1280	8	600	55	39915	9700B/6DF	—	300	10	39915
20E with 07.473.1280	6	600	70	39915	9700B/6E	—	300	10	39915
8112 (1)	14	300	10	—	9700B/8	8	600	55	12722
8140SS (1)	16	250	10	39915	9700B/10	6	600	80	12722
8141SS (1)	16	250	10	—	9700B/12	4	600	105	12722
8145	16	300	10	39915	9700B/16	2	600	140	12722
8180	14	300	10	39915	9760B/8 (1)	12	600	25	—
8181	16	300	10	39915	9786B/12	—	300	6	39915
8190 (1)	14	300	10	—	9840KR	8	600	55	12722
8281	16	300	10	39915					
8375 (1)	12	300	20	—					

(1) Certification applied for

Comparison Table

METRIC WIRE SIZES			AWG WIRE SIZES						
nominal area mm ²	solid w. dia. mm	stranded dia. mm	AWG #	solid wires			stranded wires		
				dia. mm	circ. mil	mm ²	dia. mm	circ. mil	mm ²
0.50	0.8	1.0	20	0.81	1020	0.52			
0.75	1.15	1.2	18	1.02	1620	0.82	1.17	1624	0.82
1.00		1.4	(17)	1.15	2050	1.04			
			16	1.29	2580	1.31	1.47	2583	1.31
1.50	1.4	1.7	(15)	1.45	3260	1.65			
			14	1.63	4110	2.08	1.84	4107	2.08
2.50	1.8	2.2	(13)	1.83	5180	2.63			
			12	2.05	6530	3.31	2.32	6530	3.31
4.00	2.3	3.1	(11)	2.30	8230	4.17			
			10	2.59	10380	5.26	2.93	10380	5.26
6.00	2.80	3.8	(9)	2.91	13090	6.63			
			8	3.26	16510	8.37	3.70	16510	8.37
10.00	3.60	4.10	7	3.66	20820	10.55	4.15	20820	10.55
			6	4.12	26240	13.30	4.66	26250	13.30
16.00	4.60	5.20	5	4.62	33090	16.77	5.24	33100	16.77
			4	5.19	41740	21.15	5.89	41740	21.15
25.00	5.70	7.65	3	5.83	52620	26.67	6.61	52630	26.67
			2				7.42	66370	33.63
35.00		7.80	1				8.43	83690	42.41
50.00		9.20	1/0				9.46	105600	53.48
			2/0				10.63	133100	67.42
70.00		11.00	3/0				11.94	167800	85.03
95.00		12.80	4/0				13.40	211600	107.2
120.00		14.50					14.62	250000	126.6
150.00		16.50					16.00	300000	152.0
							17.30	350000	177.4
185.00		18.00					18.49	400000	202.7
							19.61	450000	228.0
240.00		20.50					20.66	500000	253.4



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