

gesis[®]



Commerzbank, Frankfurt



Platz-Haus, Saulgau



Petronas Towers, Kuala Lumpur



Meyer Shipyard, Papenburg



Police headquarters, Hamburg

The connectable electrical installation



gesis[®]

“Electrical installation – past and present”

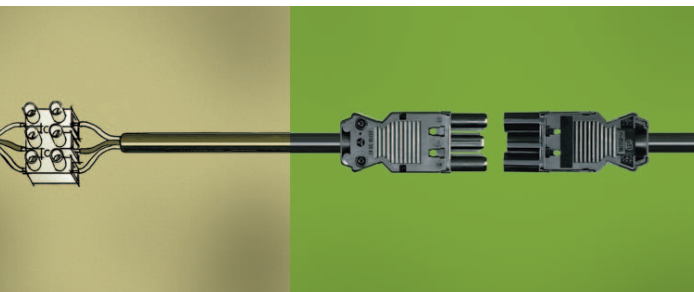
In the past, each individual connection in the electrical installation had to be wired via terminals and required lengthy and painstaking attention to detail. This took an enormous amount of time and involved considerable costs – without taking into account the numerous sources of error and potentially extensive reworking.

This all changed with the introduction of the **gesis** connector system which revolutionised electrical installations. Prefabricated components simply need to be plugged together – time-consuming tasks such as cutting cables to length, stripping the insulation and

connecting individual elements to the terminals are no longer required. Only a few operations and the power, bus or signal connections remain: reliable, error-free, clear and in a fraction of the time required for conventional wiring. There is also a considerable cost reduction as a result.

One system, only a few components and unlimited possibilities – these are the essential features of **gesis**. Everything can be universally connected from the distribution board to the load, thus opening up a new dimension. This is exemplified by two buildings in particular: the Commerzbank in

Frankfurt, currently the highest office building in Europe and the Petronas Towers in Kuala Lumpur which is the highest building in the world to date. Both of these buildings are equipped with **gesis**.



Yesterday

Today

If you require further information about the **gesis** connector system in practice and its applications, simply request your complete **gesis** manual which includes a CD.



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GST 18

The components of the GST 18 product range which have been certified according to DIN VDE 0628 are suitable for the installation of lighting systems, switches and sockets. They are available in three, four, five and six pole versions and are designed for 250 V or 250/400 V, 16 A.

BST / EST

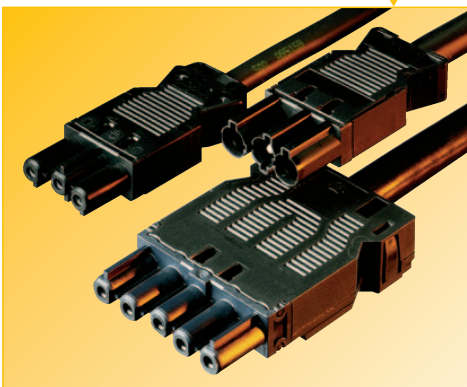
Three ranges are available for the transfer of two pole EIB Bus signals. Depending on the requirements, you can choose between the pure bus connector BST or the combination connectors of the EST range. These twin connectors prove extremely practical wherever power and signals are needed equally.

Products of this range are characterised by green EIB coding systems.

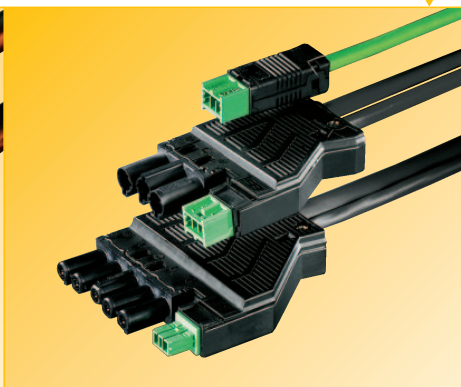
Flat cable systems

The flat cable technology can probably be regarded as a revolution in the field of electrical installation. The basis of the flat ribbon cable whose sheath houses five isolated conductors for power distribution as well as a two pole, screened signal cable, all led in parallel. If only one version is required, the flat cables are also available separately.

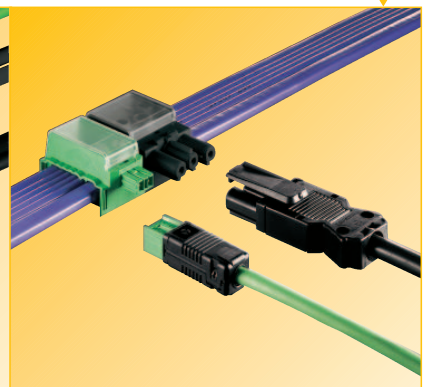
Components with 2, 3, 4, 5 and 6 poles



Combination connector for energy and signals



Connection to the flexible busbar



One variant – which is not mechanically segregated – takes over the transfer of bus, control or loudspeaker signals.

Contact is established using insulation-piercing technology and can take place at any point on the main phase. It is possible to connect to the required product range without interrupting the cable.

Low voltage systems

The system also extends to low voltage technology. It is possible to change over directly to the two different low voltage ranges, ST 16 and ST 17, via connectable, electronic transformers.

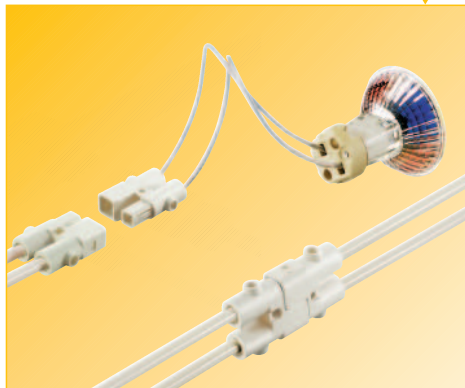
EIB-Systems

Distributed EIB switching devices can be integrated as required in the installation. They are of course connectable. There are two basic types of EIB switching devices: EIB V which are characterised by their flat and compact design and EIB M which is a solution composed of individual modules which offers a high level of flexibility.

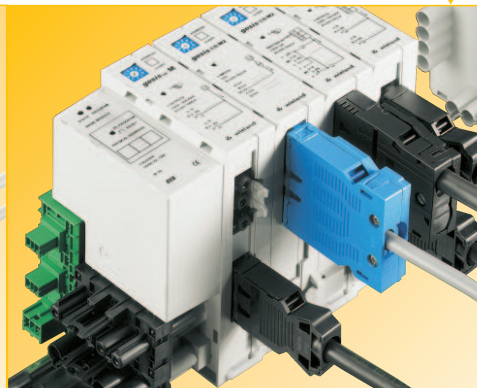
Terminal boxes

Terminal boxes offer an individual solution for installations. They are made from galvanised sheet steel and fitted with TS 35 mounting rails. They can hold terminals as well as DIN rail mounted devices in any structure. The interface to the terminal units takes place via the **gesis** connector system.

Connectable low voltage systems



Distributed EIB switching devices can be integrated



Terminal boxes



gesis[®] Electrical installation is connectable:

“Goes into the ceiling”

One benefit of **gesis** which is becoming increasingly noticeable in daily practice is the extremely compact design of the devices and the resulting small amount of room required. This enables a simple and efficient wiring process on all levels. An example of this is suspended ceilings which offer an ideal space for installations with **gesis**.

“Always along the wall”

Space-saving solutions are demanded in cable trunking. **gesis** is ideal in these situations. Due to the small dimensions of the individual components, the connector system can be used without any limitations and can also save time. In the short term, you create connections exactly where they are required: you then simply need to attach sockets, switches or shutter control systems.

“The bus is rolling”

Building installation systems and decentralised control are standard nowadays in modern functional buildings. This can be carried out practically and economically with the European Installation Bus (EIB). Monitoring, control and measuring functions can be distributed and information can be exchanged via a single cable.



Even complex lighting systems can be assembled locally and simply plugged in using prefabricated luminaires which are already offered as standard by numerous manufacturers. Electricians and builders no longer need to be on site at the same time since connection errors can be ruled out due to the optimum level of safety provided by **gesis**.

Even an adaptation to include new supply requirements can be carried out without any problems.

“Insert into the floor”

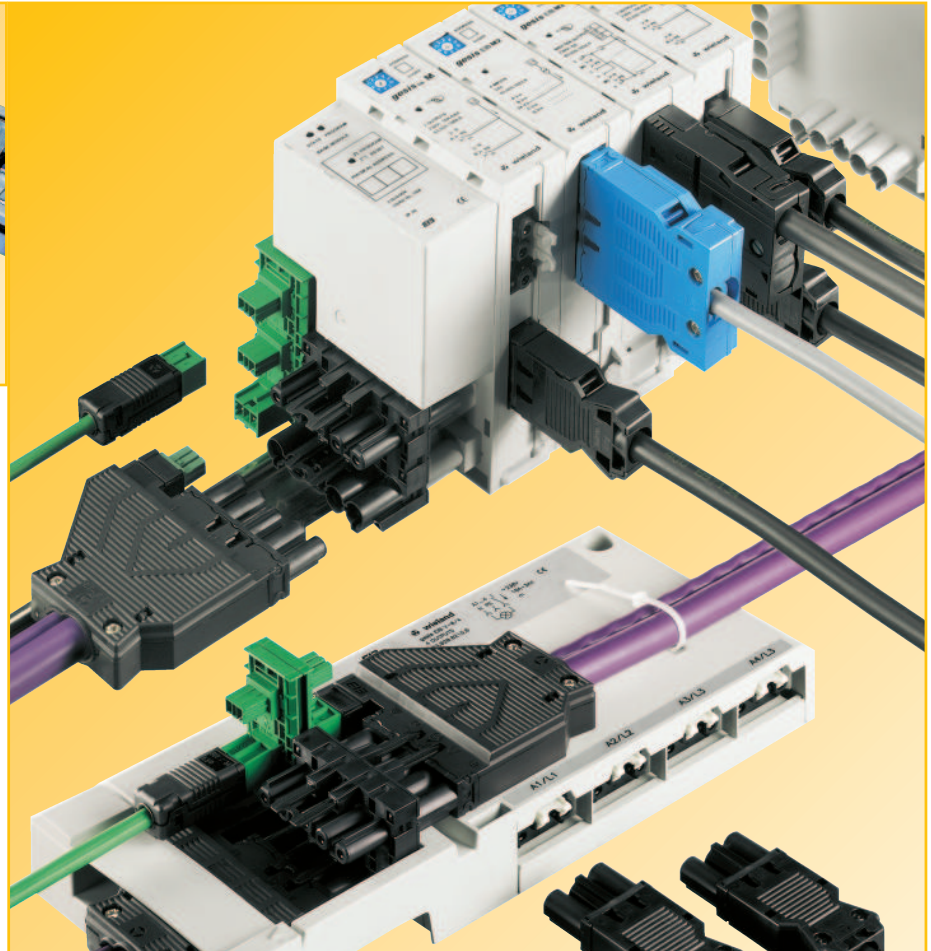
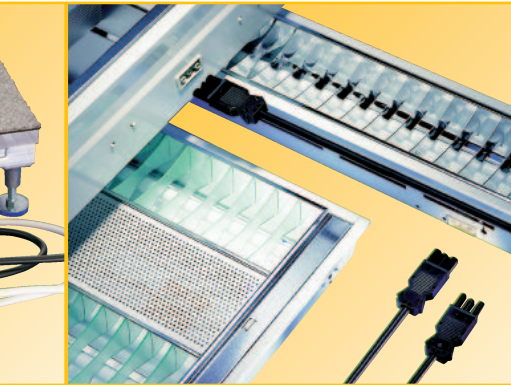
gesis enables clear and flexible cable management even when wiring in raised access floors. The installation runs freely in the floor voids but also has a structure. Even complex installations only need to be plugged in, together with distribution boards or branch circuits. Power is fed invisibly to the respective areas and only connected to underfloor mains sockets inserts which have been pre-assembled by the manufacturer.

A convenient installation structure can be efficiently created using the connectable **gesis** system. With **gesis** EIB, an intelligent device concept which is EIB compliant, **gesis** goes one step further. A truly distributed bus system is realised from the sensor to the actuator. It also integrates components which do not have a direct bus interface.

The new generation of switching devices, **gesis** EIB M2, considerably

increases the already high level of flexibility. Depending on requirements, up to six extension modules can be connected to a basic module. It is possible to select freely between 4 fold inputs 24 V DC or 230 V AC, 2 fold switch outputs, shutter outputs and switch/dimming outputs. For example, two offices each with a shutter, two lighting circuits and conventional push buttons, can be fully equipped with EIB using only one EIB device.

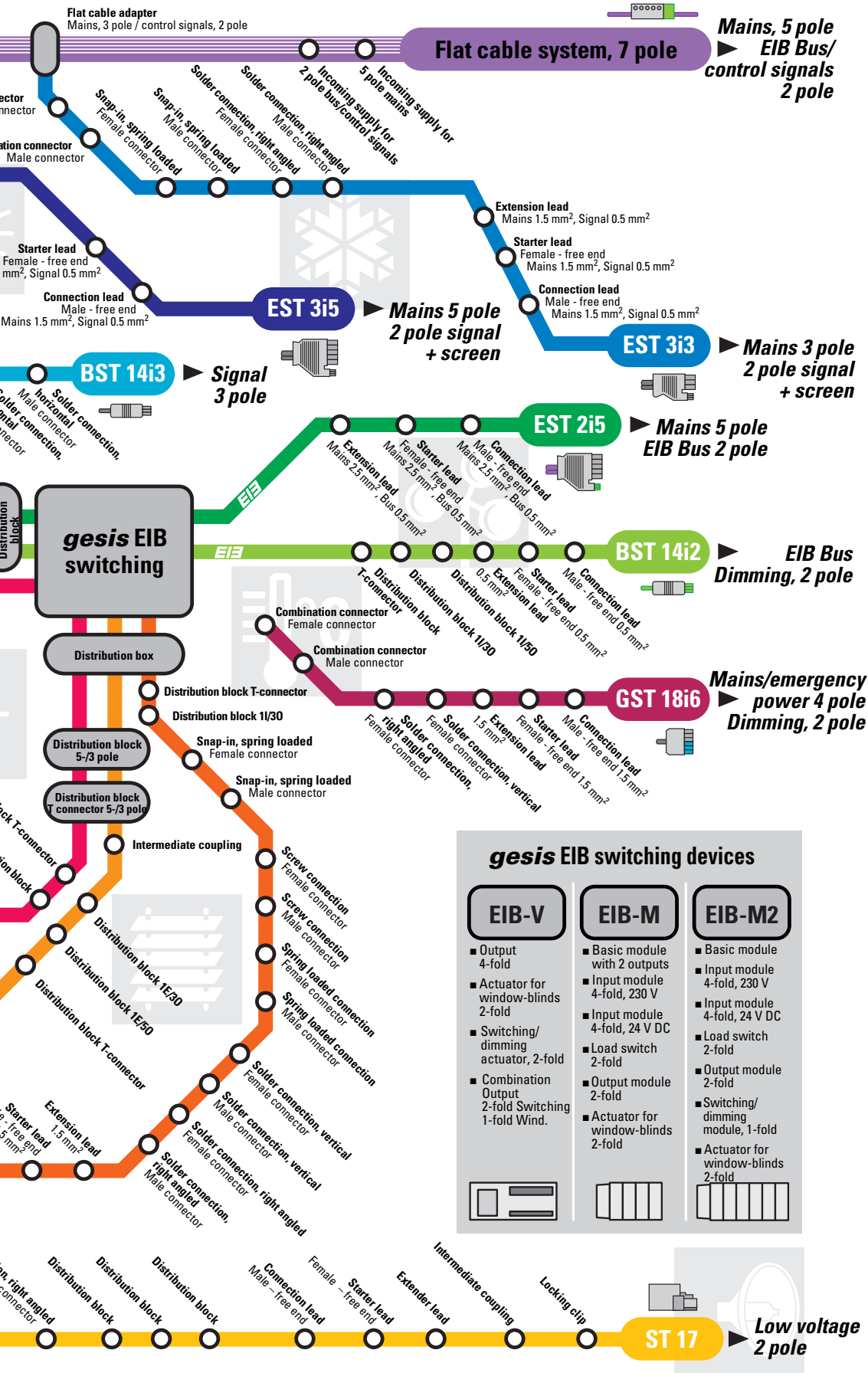
The flat device range, **gesis** EIB V, is extremely flexible and can be directly mounted onto the 7 pole flat cable system. This flat cable consists of five isolated conductors for power distribution as well as a parallel, 2 pole bus cable. Contact is established using insulation piercing technology and can take place at any point on the cable. Bus and power for the EIB V switching devices are drawn via a plug-in adapter.



"A shining example"

The industry increasingly recognises the enormous benefits provided by **gesis**. Renowned lighting manufacturers for example, have been producing luminaires for some time with an integrated **gesis** connector.





gesis EIB switching devices

EIB-V

- Output 4-fold
- Actuator for window-blinds 2-fold
- Switching/dimming actuator, 2-fold
- Combination Output 2-fold Switching 1-fold Wind.



EIB-M

- Basic module with 2 outputs
- Input module 4-fold, 230 V
- Input module 4-fold, 24 V DC
- Load switch 2-fold
- Output module 2-fold
- Actuator for window-blinds 2-fold



EIB-M2

- Basic module
- Input module 4-fold, 230 V
- Input module 4-fold, 24 V DC
- Load switch 2-fold
- Output module 2-fold
- Switching/dimming module, 1-fold
- Actuator for window-blinds 2-fold



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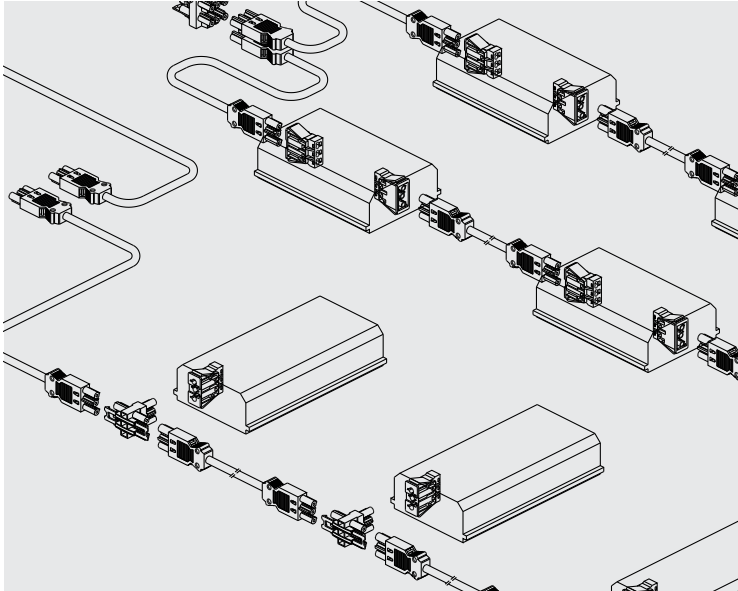


GST 18i3

3 pole mains



Application example



General

It is possible to choose between a total of 4 mechanical codes, depending on whether your application requires an earthing contact or not. Mechanical coding means that only associated pairs of male and female connectors can be connected and with the correct polarity. You therefore have the security of a clear segregation of different applications without having to remake any incorrect connections. The colour of the connectors indicates the relevant links. If only one code differentiation is sufficient or required, you can choose between various colours within Code 1. These connectors are then mutually compatible.

Coding

					Application				Mains with earth			Switching-applications without earth conn.
					Mechanical coding					Code 1		Code 2
Name	Description	Connection style	Strain relief housing	Conn. points per pole	black	white	coral red	pebble grey	light red	brown		
Connector	Standard	Screw	no	1								
				2								
	yes		1									
			2									
	Flat design	Spring	yes	2								
Snap in	For material thickness: 0.5 – 1.5 mm	Spring		2								
		Screw		1								
	For material thickness: 1.5 – 2.5 mm	Spring		2								
Solder connection	Vertical	Solder pins		1								
	90°	Solder pins		1								
Distributor	1 input 3 outputs	preassembled	preassembled	preassembled								
	1 input 5 outputs											
	1 input 2 outputs T-shaped											
	Junction box with optional components											
	Lighting connections											
Prefabricated cables	Male conn. – free end											
	Female conn. – free end											
	Male conn. – female conn.											
	Fem. conn. – conn. f. non-heat. appliances											
	Fem. conn. – elbow plug											

GST 18i 3 pole 250 V, 16 A

			Screw connection		Screw connection		Screw connection, double	
			without strain relief for 0.5 – 2.5 mm ² cables single core, finely stranded, lockable** screws into housing*)		For cross sections of 1.5 – 2.5 mm ² , single core, finely stranded, one connection per pole full assembled with strain relief , for H05VV, NYM ¹⁾ cables (∅ 8.3 – 11.3 mm), lockable** Caution: A connection point is lost when this screw component is inserted into the distribution block. Sheath strip length: 35 mm Insulation strip length: 7 mm		without strain relief For 0.5 – 2.5 mm ² cables, 2 connections per pole, single core and finely stranded, screws into housing*)	
Application	Coding	Colour	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
Female connector								
Mains with earth	Code 1	N PE L	black white	92.031.3258.1 200 92.031.3258.0 200	99.400.5802.2 100 99.429.5807.6 100	92.031.4453.1 200 92.031.4453.0 200		
	Code 2	N PE L	pebble grey	92.031.3458.0 200	99.433.5802.2 100			
	Code 3	N PE L	light red	92.031.3658.0 200	99.434.5802.2 100			
Switching applications	Code 4	3 2 1	brown	92.031.3858.0 200	99.436.5802.2 100			
Male connector								
Type			GST 18i3 S B1		GST 18i3 S B1 Z		GST 18i3 S B2	
Application	Coding	Colour	Part No.	Box Qty	Part No.	Box Qty		
Mains with earth			L PE N		black white	92.032.3358.1 200 92.032.3358.0 200	99.403.5802.2 100 99.470.5807.6 100	
			L PE N		pebble grey	92.032.3458.0 200	99.437.5802.2 100	
			L PE N		light red	92.032.3658.0 200	99.438.5802.2 100	..
Switching applications	Code 4	1 2 3	brown	92.032.3858.0 200	99.440.5802.2 100			
Type			GST 18i3 S S1		GST 18i3 S S1 Z			

¹⁾ other cable and cable cross-sections available on request



Screw connection

Spring loaded connection

with strain relief

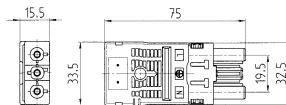
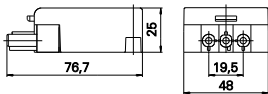
Female connector: suitable for the connection of 2 cables for looping through the main power supply, Complete with locking hoop.
Male connector: suitable for connection of 1 cable as a plug-in complete with locking hook.

For rigid 1.5 – 2.5 mm² cables, finely stranded 1.5 mm² cables with ferrules²⁾, 2 connectors per pole, unassembled **with strain relief**, for H05VV, NYM¹⁾ cables (Ø 7.8 – 10.3 mm), lockable**

Sheath strip length: 45 mm
 Insulation strip length 1.5 mm²: 8 mm
 Insulation strip length 2.5 mm²: 9 mm

Part No. Box Qty

Part No. Box Qty



For cross-section of 2.5 mm², single core and finely stranded, **2 connections per pole**, unassembled with strain relief for **2 cables** H05VV, NYM¹⁾ (Ø 9.0 – 11.5 mm).



92.939.1053.1 100

92.933.0053.1 50
 92.933.0053.0 50

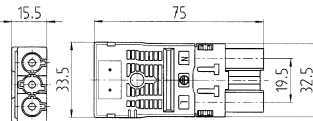
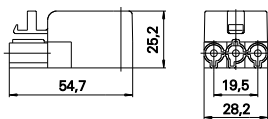
92.933.0153.0 50

GST 18i3 S B2 Z

GST 18i3 F B2 Z

Part No. Box Qty

Part No. Box Qty



For cross-section of 1.5 mm², single-core and finely stranded, **1 connection per pole**, unassembled with strain relief for H05VV, NYM¹⁾ cables (Ø 6.5 – 8.3 mm).



92.938.0158.1 200

92.934.0053.1 50
 92.934.0053.0 50

92.934.0153.0 50

- * 1. When striking voltage occurs in a range between 3 and 5 kV, screws made out of insulating material should be used for mounting the connector to prevent flash over.
2. Exposed conductive material that is used for mounting must be earthed.
3. When attaching connector plates, self tapping screws with a maximum diameter of 3 mm may be used.
4. The distance between the fixing holes may not exceed a tolerance of ± 0.1 mm.
5. To avoid damaging the insulating material, self tapping screws may not be screwed into the fixing holes of the connector.

**) VDE 0628 requires the use of a locking device.

GST 18i3 S S1 NZR1V

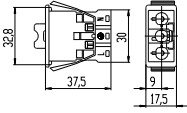
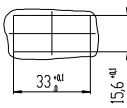

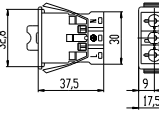
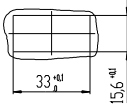

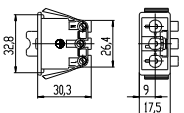
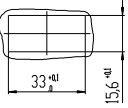





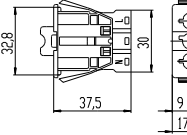
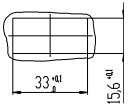

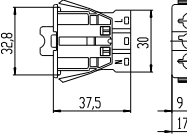
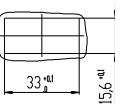

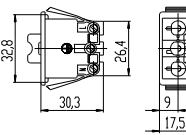
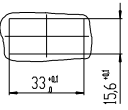





GST 18i3 F S2 Z

¹⁾ other cable and cable cross-sections available on request

¹⁾ other cable and cable cross-sections available on request

²⁾ See "Accessories" for ferrules and clamping tools

GST 18i 3 pole 250 V, 16 A

			Snap-in, Spring-loaded		Snap-in, Spring-loaded		Snap-in, screw connection	
			Material thickness: 0.5 – 1.5 mm Panel mounting ¹⁾ , 2 screwless connections per pole, finely stranded cable 0.5 – 1.5 mm ² with ferrule ²⁾ , rigid cable 0.5 – 2.5 mm ² with locking device Insulation strip length 0.5–1.5 mm ² : 8 mm Insulation strip length 2.5 mm ² : 9 mm		Material thickness: 1.5 – 2.5 mm Panel mounting ¹⁾ , 2 screwless connections per pole, finely stranded cable 0.5 – 1.5 mm ² with ferrule ²⁾ , rigid cable 0.5 – 2.5 mm ² with locking device Insulation strip length 0.5–1.5 mm ² : 8 mm Insulation strip length 2.5 mm ² : 9 mm		Material thickness: 0.5 – 1.5 mm Panel mounting ¹⁾ , 1 screw connection per pole, single core and finely stranded cable 0.5 – 2.5 mm ² , with locking device Insulation strip length 0.5–1.5 mm ² : 8 mm Insulation strip length 2.5 mm ² : 9 mm	
Application	Coding	Colour	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
Female connector			  		  		  	
Mains with earth	Code 1		black white	92.031.9658.1 100 92.031.9658.0 100	92.031.7658.1 100 92.031.7658.0 100	92.031.8758.1 100 92.031.8758.0 100		
	Code 2		pebble grey	92.031.9758.0 100				
	Code 3		light red	92.031.8558.0 100				
Switching applications	Code 4		brown	92.031.8458.0 100				
Male connector			Type GST 18i3 F B2 R   		Type GST 18i3 F B2 REV   		Type GST 18i3S B1 R   	
Application	Coding	Colour	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
Mains with earth	Code 1		black white	92.032.9658.1 100 92.032.9658.0 100	92.032.7658.1 100 92.032.7658.0 100	92.032.8758.1 100 92.032.8758.0 100		
	Code 2		pebble grey	92.032.9758.0 100				
	Code 3		light red	92.032.8558.0 100				
Switching applications	Code 4		brown	92.032.8458.0 100				
Type			Type GST 18i3 F S2 R ¹⁾ Panel material deburring and coating thickness may influence the cut-out dimension. Detailed installation instructions available on request. ²⁾ See "Accessories" for ferrules and crimping tools		Type GST 18i3 F S2 REV ¹⁾ Panel material deburring and coating thickness may influence the cut-out dimension. Detailed installation instructions available on request. ²⁾ See "Accessories" for ferrules and crimping tools		Type GST 18i3 S S1 R ¹⁾ Panel material deburring and coating thickness may influence the cut-out dimension. Detailed installation instructions available on request.	

GST 18i3

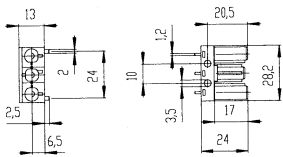
3 pole mains

Soldered connection, vertical

Can be soldered onto printed circuit board
 – **vertical**
 – with locating cams
 – optional locking device**, fitted

See "Technical Data" for hole template for GST 18 soldered connector

Part No. Box Qty

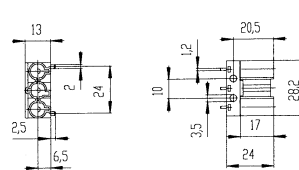


92.031.0058.1 100
 92.031.0058.0 100

92.031.0158.0 100

GST 18i3 L B1 V

Part No. Box Qty



92.032.0058.1 100
 92.032.0058.0 100

92.032.0158.0 100

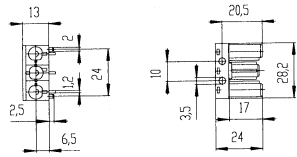
GST 18i3 L S1 V

Soldered connection, horizontal

Can be soldered onto a printed circuit board
 – **horizontal**
 – with locating cams
 – optional locking device**, fitted

See "Technical Data" for hole template for GST 18 soldered connector

Part No. Box Qty

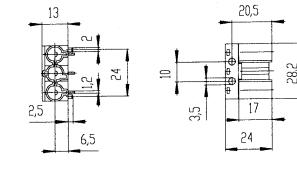


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 92.033.0058.0 100

92.033.0158.0 100

GST 18i3 L B1 H

Part No. Box Qty



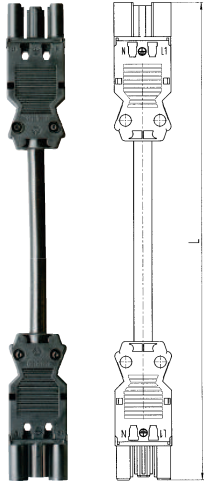
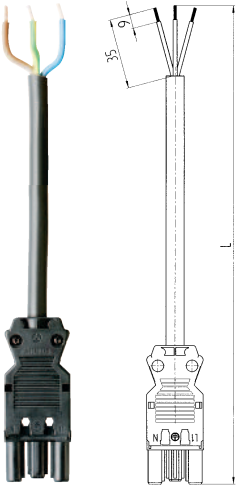
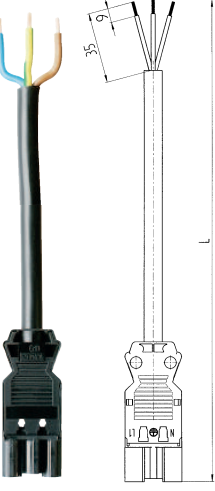




92.034.0058.1 100
 92.034.0058.0 100

92.034.0158.0 100

GST 18i3 L S1 H

**) VDE 0628 requires the use of a locking device

GST 18i 3 pole 250 V, 16 A

				Extender lead		Starter lead		Connection lead	
Cable: H05VV-F3G1.5/2.5 Insulation: with halogen (PVC)				3 x 1.5 mm² female – male		3 x 1.5 mm² female – free end with ultrasonically welded conductor ends ¹⁾		3 x 1.5 mm² male – free end with ultrasonically welded conductor ends ¹⁾	
Cable assemblies				Standard PVC cable Type H05VV-F3G1.5 Colour black					
									
Application	Coding	Colour	Length ²⁾	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
Mains with earth	Code 1 Female  Male 	black	1.0 m	92.232.1000.1	75	92.232.1003.1	75	92.232.1004.1	75
			2.0 m	92.232.2000.1	40	92.232.2003.1	50	92.232.2004.1	50
			3.0 m	92.232.3000.1	25	92.232.3003.1	25	92.232.3004.1	25
			4.0 m	92.232.4000.1	25	92.232.4003.1	25	92.232.4004.1	25
			5.0 m	92.232.5000.1	20	92.232.5003.1	20	92.232.5004.1	20
			6.0 m	92.232.6000.1	10	92.232.6003.1	10	92.232.6004.1	10
			7.0 m	92.232.7000.1	10	92.232.7003.1	10	92.232.7004.1	10
			8.0 m	92.232.8000.1	10	92.232.8003.1	10	92.232.8004.1	10
	Code 2	grey	1.0 m	92.232.1000.2	75	92.232.1003.2	75	92.232.1004.2	75
			2.0 m	92.232.2000.2	40	92.232.2003.2	50	92.232.2004.2	50
			3.0 m	92.232.3000.2	25	92.232.3003.2	25	92.232.3004.2	25
			4.0 m	92.232.4000.2	25	92.232.4003.2	25	92.232.4004.2	25
			5.0 m	92.232.5000.2	20	92.232.5003.2	20	92.232.5004.2	20
			6.0 m	92.232.6000.2	10	92.232.6003.2	10	92.232.6004.2	10
			7.0 m	92.232.7000.2	10	92.232.7003.2	10	92.232.7004.2	10
			8.0 m	92.232.8000.2	10	92.232.8003.2	10	92.232.8004.2	10
	Code 3	light red	1.0 m	92.232.1000.3	75	92.232.1003.3	75	92.232.1004.3	75
			2.0 m	92.232.2000.3	40	92.232.2003.3	50	92.232.2004.3	50
			3.0 m	92.232.3000.3	25	92.232.3003.3	25	92.232.3004.3	25
			4.0 m	92.232.4000.3	25	92.232.4003.3	25	92.232.4004.3	25
			5.0 m	92.232.5000.3	20	92.232.5003.3	20	92.232.5004.3	20
			6.0 m	92.232.6000.3	10	92.232.6003.3	10	92.232.6004.3	10
			7.0 m	92.232.7000.3	10	92.232.7003.3	10	92.232.7004.3	10
			8.0 m	92.232.8000.3	10	92.232.8003.3	10	92.232.8004.3	10
	Code 4 Female  Male 	black	1.0 m	92.232.1000.5	75	92.232.1003.5	75	92.232.1004.5	75
			2.0 m	92.232.2000.5	40	92.232.2003.5	50	92.232.2004.5	50
			3.0 m	92.232.3000.5	25	92.232.3003.5	25	92.232.3004.5	25
			4.0 m	92.232.4000.5	25	92.232.4003.5	25	92.232.4004.5	25
			5.0 m	92.232.5000.5	20	92.232.5003.5	20	92.232.5004.5	20
			6.0 m	92.232.6000.5	10	92.232.6003.5	10	92.232.6004.5	10
			7.0 m	92.232.7000.5	10	92.232.7003.5	10	92.232.7004.5	10
			8.0 m	92.232.8000.5	10	92.232.8003.5	10	92.232.8004.5	10



Extender lead

Starter lead

Connection lead

3 x 2.5 mm²

female – male

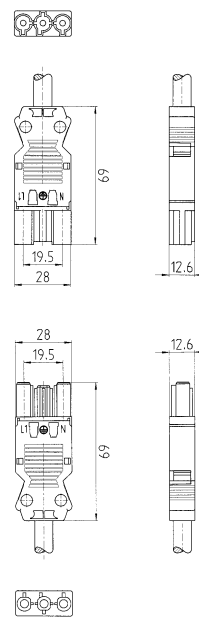
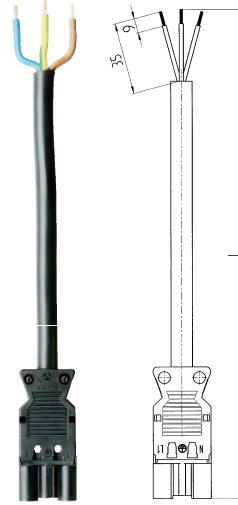
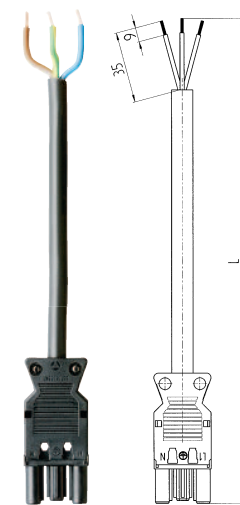
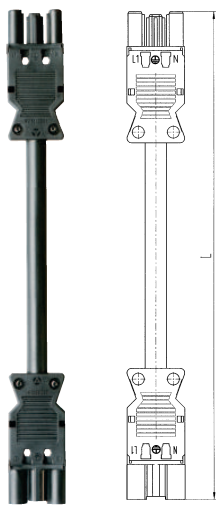
3 x 2.5 mm²

female – free end
with ultrasonically welded
conductor ends¹⁾

3 x 2.5 mm²

male – free end
with ultrasonically welded
conductor ends¹⁾

Standard PVC cable Type H05VV-F3G2.5 Colour black



Length ²⁾	Extender lead		Starter lead		Connection lead	
	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
1.0 m	92.238.1000.1	50	92.238.1003.1	50	92.238.1004.1	50
2.0 m	92.238.2000.1	25	92.238.2003.1	25	92.238.2004.1	25
3.0 m	92.238.3000.1	20	92.238.3003.1	20	92.238.3004.1	20
4.0 m	92.238.4000.1	15	92.238.4003.1	15	92.238.4004.1	15
5.0 m	92.238.5000.1	10	92.238.5003.1	10	92.238.5004.1	10
6.0 m	92.238.6000.1	10	92.238.6003.1	10	92.238.6004.1	10
7.0 m	92.238.7000.1	5	92.238.7003.1	5	92.238.7004.1	5
8.0 m	92.238.8000.1	5	92.238.8003.1	5	92.238.8004.1	5
1.0 m	92.238.1000.2	50	92.238.1003.2	50	92.238.1004.2	50
2.0 m	92.238.2000.2	25	92.238.2003.2	25	92.238.2004.2	25
3.0 m	92.238.3000.2	20	92.238.3003.2	20	92.238.3004.2	20
4.0 m	92.238.4000.2	15	92.238.4003.2	15	92.238.4004.2	15
5.0 m	92.238.5000.2	10	92.238.5003.2	10	92.238.5004.2	10
6.0 m	92.238.6000.2	10	92.238.6003.2	10	92.238.6004.2	10
7.0 m	92.238.7000.2	5	92.238.7003.2	5	92.238.7004.2	5
8.0 m	92.238.8000.2	5	92.238.8003.2	5	92.238.8004.2	5
1.0 m	92.238.1000.3	50	92.238.1003.3	50	92.238.1004.3	50
2.0 m	92.238.2000.3	25	92.238.2003.3	25	92.238.2004.3	25
3.0 m	92.238.3000.3	20	92.238.3003.3	20	92.238.3004.3	20
4.0 m	92.238.4000.3	15	92.238.4003.3	15	92.238.4004.3	15
5.0 m	92.238.5000.3	10	92.238.5003.3	10	92.238.5004.3	10
6.0 m	92.238.6000.3	10	92.238.6003.3	10	92.238.6004.3	10
7.0 m	92.238.7000.3	5	92.238.7003.3	5	92.238.7004.3	5
8.0 m	92.238.8000.3	5	92.238.8003.3	5	92.238.8004.3	5
1.0 m	92.238.1000.5	50	92.238.1003.5	50	92.238.1004.5	50
2.0 m	92.238.2000.5	25	92.238.2003.5	25	92.238.2004.5	25
3.0 m	92.238.3000.5	20	92.238.3003.5	20	92.238.3004.5	20
4.0 m	92.238.4000.5	15	92.238.4003.5	15	92.238.4004.5	15
5.0 m	92.238.5000.5	10	92.238.5003.5	10	92.238.5004.5	10
6.0 m	92.238.6000.5	10	92.238.6003.5	10	92.238.6004.5	10
7.0 m	92.238.7000.5	5	92.238.7003.5	5	92.238.7004.5	5
8.0 m	92.238.8000.5	5	92.238.8003.5	5	92.238.8004.5	5

¹⁾ Modification of the sheath/insulation strip lengths available on request

²⁾ Other lengths available on request

GST 18i 3 pole 250 V, 16 A

				Starter lead		Connection lead		
Cable: H05VV-F3G1.5/1.0 Insulation: with halogen (PVC)				3 x 1.5 mm² female to angled plug according to DIN 49441		3 x 1.0 mm² male to inlet connector for cooling devices		
				Cable assemblies				
				Standard Type H05VV-F3G1.5		Standard Type H05VV-F3G1.0		
Application	Coding	Colour	Length ¹⁾	Part No.	Box Qty	Length ¹⁾	Part No.	Box Qty
Mains with earth	Code 1 Female Male 	black	1.0 m	92.232.2007.1	40	1.0 m	99.400.5623.1	50
			2.0 m			2.0 m		
			3.0 m			3.0 m		
			4.0 m			4.0 m		
			5.0 m			5.0 m		
			6.0 m			6.0 m		
			7.0 m			7.0 m		
			8.0 m			8.0 m		
	cable: black	white	1.0 m	92.232.2007.2	40	1.0 m		
			2.0 m			2.0 m		
			3.0 m			3.0 m		
			4.0 m			4.0 m		
cable: white	white	5.0 m	92.232.2007.2	40	5.0 m			
		6.0 m			6.0 m			
		7.0 m			7.0 m			
		8.0 m			8.0 m			

¹⁾ Only applies to connection cable with inlet connector for cooling devices

GST 18i3

3 pole mains



GST 18i 3 pole 250 V, 16 A

				Extender lead		Starter lead		Connection lead			
Cable: S05VV-F3G1.5/2.5 Insulation: halogen-free				3 x 1.5 mm² female – male		3 x 1.5 mm² female – free end with ultrasonically welded conductor ends ¹⁾		3 x 1.5 mm² male – free end with ultrasonically welded conductor ends ¹⁾			
Cable assemblies				Colour black Standard Type S05VV-F3G1.5							
Application	Coding	Colour	Length ²⁾	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty		
Mains with earth	Code 1 Female Male 	black	1.0 m	92.232.1060.1	75	92.232.1063.1	75	92.232.1064.1	75		
			2.0 m	92.232.2060.1	40	92.232.2063.1	50	92.232.2064.1	50		
			3.0 m	92.232.3060.1	25	92.232.3063.1	25	92.232.3064.1	25		
			4.0 m	92.232.4060.1	25	92.232.4063.1	25	92.232.4064.1	25		
			5.0 m	92.232.5060.1	20	92.232.5063.1	20	92.232.5064.1	20		
			6.0 m	92.232.6060.1	10	92.232.6063.1	10	92.232.6064.1	10		
			7.0 m	92.232.7060.1	10	92.232.7063.1	10	92.232.7064.1	10		
			8.0 m	92.232.8060.1	10	92.232.8063.1	10	92.232.8064.1	10		
	Code 2 Female Male 	white	1.0 m	92.232.1060.2	75	92.232.1063.2	75	92.232.1064.2	75		
			2.0 m	92.232.2060.2	40	92.232.2063.2	50	92.232.2064.2	50		
			3.0 m	92.232.3060.2	25	92.232.3063.2	25	92.232.3064.2	25		
			4.0 m	92.232.4060.2	25	92.232.4063.2	25	92.232.4064.2	25		
			5.0 m	92.232.5060.2	20	92.232.5063.2	20	92.232.5064.2	20		
			6.0 m	92.232.6060.2	10	92.232.6063.2	10	92.232.6064.2	10		
			7.0 m	92.232.7060.2	10	92.232.7063.2	10	92.232.7064.2	10		
			8.0 m	92.232.8060.2	10	92.232.8063.2	10	92.232.8064.2	10		
	Code 3 Female Male 	grey	1.0 m	92.232.1060.3	75	92.232.1063.3	75	92.232.1064.3	75		
			2.0 m	92.232.2060.3	40	92.232.2063.3	50	92.232.2064.3	50		
			3.0 m	92.232.3060.3	25	92.232.3063.3	25	92.232.3064.3	25		
			4.0 m	92.232.4060.3	25	92.232.4063.3	25	92.232.4064.3	25		
			5.0 m	92.232.5060.3	20	92.232.5063.3	20	92.232.5064.3	20		
			6.0 m	92.232.6060.3	10	92.232.6063.3	10	92.232.6064.3	10		
			7.0 m	92.232.7060.3	10	92.232.7063.3	10	92.232.7064.3	10		
			8.0 m	92.232.8060.3	10	92.232.8063.3	10	92.232.8064.3	10		
Code 4 Female Male 	light red	1.0 m	92.232.1060.5	75	92.232.1063.5	75	92.232.1064.5	75			
		2.0 m	92.232.2060.5	40	92.232.2063.5	50	92.232.2064.5	50			
		3.0 m	92.232.3060.5	25	92.232.3063.5	25	92.232.3064.5	25			
		4.0 m	92.232.4060.5	25	92.232.4063.5	25	92.232.4064.5	25			
		5.0 m	92.232.5060.5	20	92.232.5063.5	20	92.232.5064.5	20			
		6.0 m	92.232.6060.5	10	92.232.6063.5	10	92.232.6064.5	10			
		7.0 m	92.232.7060.5	10	92.232.7063.5	10	92.232.7064.5	10			
		8.0 m	92.232.8060.5	10	92.232.8063.5	10	92.232.8064.5	10			
		cable:									
		black									



Extender lead

Starter lead

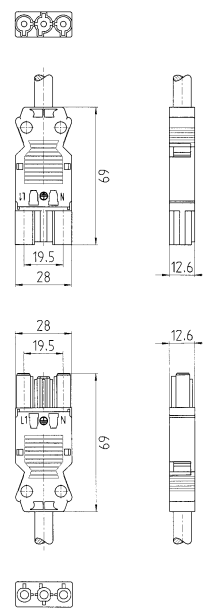
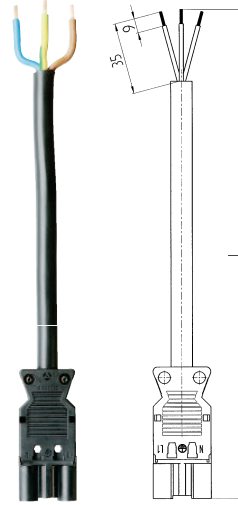
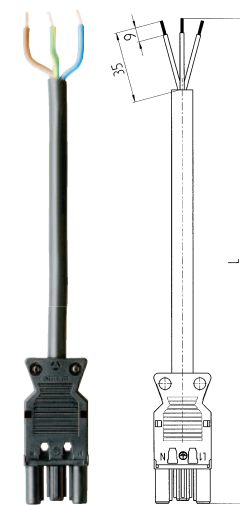
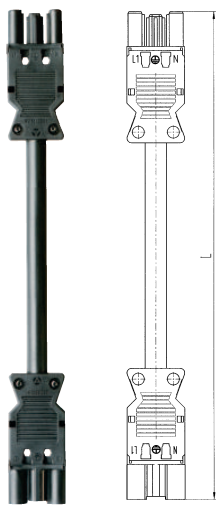
Connection lead

3 x 2.5 mm²
female – male

3 x 2.5 mm²
female – free end
with ultrasonically welded
conductor ends¹⁾

3 x 2.5 mm²
male – free end
with ultrasonically welded
conductor ends¹⁾

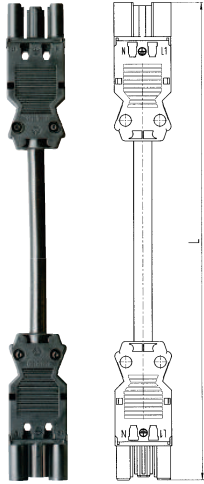
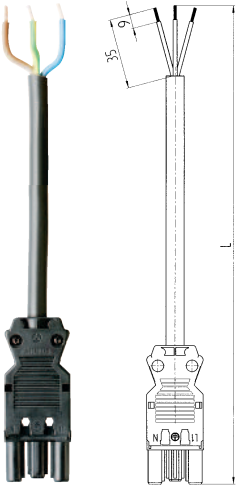
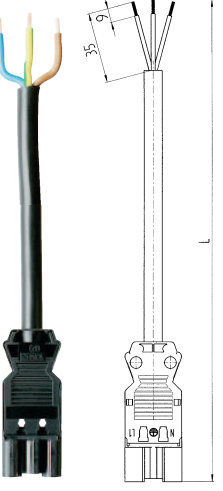


Colour black
Standard Type S05VV-F3G2.5



Length ²⁾	Extender lead		Starter lead		Connection lead	
	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
1.0 m	92.238.1060.1	50	92.238.1063.1	50	92.238.1064.1	50
2.0 m	92.238.2060.1	25	92.238.2063.1	25	92.238.2064.1	25
3.0 m	92.238.3060.1	20	92.238.3063.1	20	92.238.3064.1	20
4.0 m	92.238.4060.1	15	92.238.4063.1	15	92.238.4064.1	15
5.0 m	92.238.5060.1	10	92.238.5063.1	10	92.238.5064.1	10
6.0 m	92.238.6060.1	10	92.238.6063.1	10	92.238.6064.1	10
7.0 m	92.238.7060.1	5	92.238.7063.1	5	92.238.7064.1	5
8.0 m	92.238.8060.1	5	92.238.8063.1	5	92.238.8064.1	5
1.0 m	92.238.1060.2	50	92.238.1063.2	50	92.238.1064.2	50
2.0 m	92.238.2060.2	25	92.238.2063.2	25	92.238.2064.2	25
3.0 m	92.238.3060.2	20	92.238.3063.2	20	92.238.3064.2	20
4.0 m	92.238.4060.2	15	92.238.4063.2	15	92.238.4064.2	15
5.0 m	92.238.5060.2	10	92.238.5063.2	10	92.238.5064.2	10
6.0 m	92.238.6060.2	10	92.238.6063.2	10	92.238.6064.2	10
7.0 m	92.238.7060.2	5	92.238.7063.2	5	92.238.7064.2	5
8.0 m	92.238.8060.2	5	92.238.8063.2	5	92.238.8064.2	5
1.0 m	92.238.1060.3	50	92.238.1063.3	50	92.238.1064.3	50
2.0 m	92.238.2060.3	25	92.238.2063.3	25	92.238.2064.3	25
3.0 m	92.238.3060.3	20	92.238.3063.3	20	92.238.3064.3	20
4.0 m	92.238.4060.3	15	92.238.4063.3	15	92.238.4064.3	15
5.0 m	92.238.5060.3	10	92.238.5063.3	10	92.238.5064.3	10
6.0 m	92.238.6060.3	10	92.238.6063.3	10	92.238.6064.3	10
7.0 m	92.238.7060.3	5	92.238.7063.3	5	92.238.7064.3	5
8.0 m	92.238.8060.3	5	92.238.8063.3	5	92.238.8064.3	5
1.0 m	92.238.1060.5	50	92.238.1063.5	50	92.238.1064.5	50
2.0 m	92.238.2060.5	25	92.238.2063.5	25	92.238.2064.5	25
3.0 m	92.238.3060.5	20	92.238.3063.5	20	92.238.3064.5	20
4.0 m	92.238.4060.5	15	92.238.4063.5	15	92.238.4064.5	15
5.0 m	92.238.5060.5	10	92.238.5063.5	10	92.238.5064.5	10
6.0 m	92.238.6060.5	10	92.238.6063.5	10	92.238.6064.5	10
7.0 m	92.238.7060.5	5	92.238.7063.5	5	92.238.7064.5	5
8.0 m	92.238.8060.5	5	92.238.8063.5	5	92.238.8064.5	5

¹⁾ Modification of the sheath/insulation strip lengths available on request
²⁾ Other lengths available on request

GST 18i 3 pole 250 V, 16 A

				Extender lead		Starter lead		Connection lead	
Cable: H05V2V2-F3G1.5/2.5 Insulation: with halogen (PVC) Continuous temperature 90 °C				3 x 1.5 mm ²		3 x 1.5 mm ²		3 x 1.5 mm ²	
				female – male		female – free end with ultrasonically welded conductor ends ¹⁾		male – free end with ultrasonically welded conductor ends ¹⁾	
Cable assemblies									
				Standard Type H05V2V2-F3G1.5		Colour black			
									
Application	Coding	Colour	Length ²⁾	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
Mains with earth	Code 1  Female  Male	black	1.0 m	92.232.1010.1	75	92.232.1013.1	75	92.232.1014.1	75
			2.0 m	92.232.2010.1	40	92.232.2013.1	50	92.232.2014.1	50
			3.0 m	92.232.3010.1	25	92.232.3013.1	25	92.232.3014.1	25
			4.0 m	92.232.4010.1	25	92.232.4013.1	25	92.232.4014.1	25
			5.0 m	92.232.5010.1	20	92.232.5013.1	20	92.232.5014.1	20
			6.0 m	92.232.6010.1	10	92.232.6013.1	10	92.232.6014.1	10
			7.0 m	92.232.7010.1	10	92.232.7013.1	10	92.232.7014.1	10
			8.0 m	92.232.8010.1	10	92.232.8013.1	10	92.232.8014.1	10
	Code 2	grey	1.0 m	92.232.1010.2	75	92.232.1013.2	75	92.232.1014.2	75
			2.0 m	92.232.2010.2	40	92.232.2013.2	50	92.232.2014.2	50
			3.0 m	92.232.3010.2	25	92.232.3013.2	25	92.232.3014.2	25
			4.0 m	92.232.4010.2	25	92.232.4013.2	25	92.232.4014.2	25
			5.0 m	92.232.5010.2	20	92.232.5013.2	20	92.232.5014.2	20
			6.0 m	92.232.6010.2	10	92.232.6013.2	10	92.232.6014.2	10
			7.0 m	92.232.7010.2	10	92.232.7013.2	10	92.232.7014.2	10
			8.0 m	92.232.8010.2	10	92.232.8013.2	10	92.232.8014.2	10
	Code 3	light red	1.0 m	92.232.1010.5	75	92.232.1013.5	75	92.232.1014.5	75
			2.0 m	92.232.2010.5	40	92.232.2013.5	50	92.232.2014.5	50
			3.0 m	92.232.3010.5	25	92.232.3013.5	25	92.232.3014.5	25
			4.0 m	92.232.4010.5	25	92.232.4013.5	25	92.232.4014.5	25
			5.0 m	92.232.5010.5	20	92.232.5013.5	20	92.232.5014.5	20
			6.0 m	92.232.6010.5	10	92.232.6013.5	10	92.232.6014.5	10
			7.0 m	92.232.7010.5	10	92.232.7013.5	10	92.232.7014.5	10
			8.0 m	92.232.8010.5	10	92.232.8013.5	10	92.232.8014.5	10
		cable:							
		black							



Extender lead

Starter lead

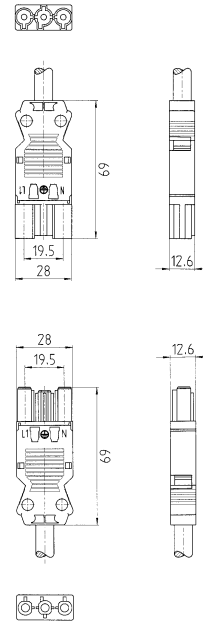
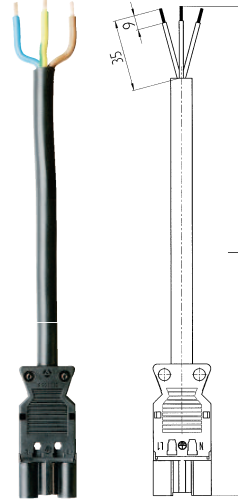
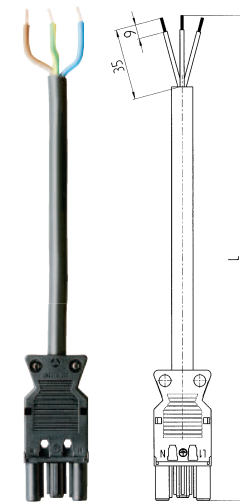
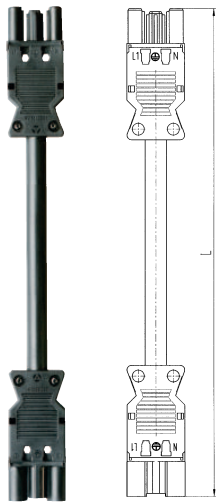
Connection lead

3 x 2.5 mm²
female – male

3 x 2.5 mm²
female – free end
with ultrasonically welded
conductor ends¹⁾

3 x 2.5 mm²
male – free end
with ultrasonically welded
conductor ends¹⁾

Standard Type H05V2V2-F3G2.5
Colour: black




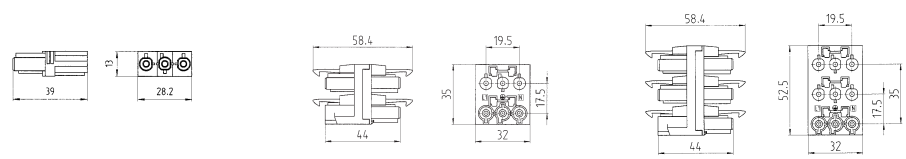
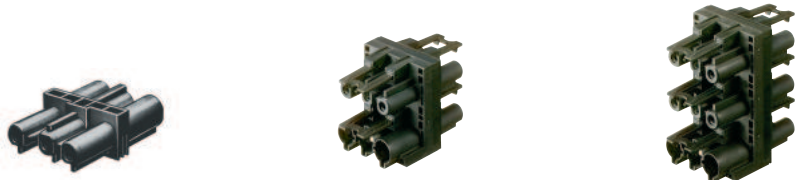





Length ²⁾	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
1.0 m	92.238.1010.1	50	92.238.1013.1	50	92.238.1014.1	50
2.0 m	92.238.2010.1	25	92.238.2013.1	25	92.238.2014.1	25
3.0 m	92.238.3010.1	20	92.238.3013.1	20	92.238.3014.1	20
4.0 m	92.238.4010.1	15	92.238.4013.1	15	92.238.4014.1	15
5.0 m	92.238.5010.1	10	92.238.5013.1	10	92.238.5014.1	10
6.0 m	92.238.6010.1	10	92.238.6013.1	10	92.238.6014.1	10
7.0 m	92.238.7010.1	5	92.238.7013.1	5	92.238.7014.1	5
8.0 m	92.238.8010.1	5	92.238.8013.1	5	92.238.8014.1	5
1.0 m	92.238.1010.2	50	92.238.1013.2	50	92.238.1014.2	50
2.0 m	92.238.2010.2	25	92.238.2013.2	25	92.238.2014.2	25
3.0 m	92.238.3010.2	20	92.238.3013.2	20	92.238.3014.2	20
4.0 m	92.238.4010.2	15	92.238.4013.2	15	92.238.4014.2	15
5.0 m	92.238.5010.2	10	92.238.5013.2	10	92.238.5014.2	10
6.0 m	92.238.6010.2	10	92.238.6013.2	10	92.238.6014.2	10
7.0 m	92.238.7010.2	5	92.238.7013.2	5	92.238.7014.2	5
8.0 m	92.238.8010.2	5	92.238.8013.2	5	92.238.8014.2	5
1.0 m	92.238.1010.3	50	92.238.1013.3	50	92.238.1014.3	50
2.0 m	92.238.2010.3	25	92.238.2013.3	25	92.238.2014.3	25
3.0 m	92.238.3010.3	20	92.238.3013.3	20	92.238.3014.3	20
4.0 m	92.238.4010.3	15	92.238.4013.3	15	92.238.4014.3	15
5.0 m	92.238.5010.3	10	92.238.5013.3	10	92.238.5014.3	10
6.0 m	92.238.6010.3	10	92.238.6013.3	10	92.238.6014.3	10
7.0 m	92.238.7010.3	5	92.238.7013.3	5	92.238.7014.3	5
8.0 m	92.238.8010.3	5	92.238.8013.3	5	92.238.8014.3	5
1.0 m	92.238.1010.5	50	92.238.1013.5	50	92.238.1014.5	50
2.0 m	92.238.2010.5	25	92.238.2013.5	25	92.238.2014.5	25
3.0 m	92.238.3010.5	20	92.238.3013.5	20	92.238.3014.5	20
4.0 m	92.238.4010.5	15	92.238.4013.5	15	92.238.4014.5	15
5.0 m	92.238.5010.5	10	92.238.5013.5	10	92.238.5014.5	10
6.0 m	92.238.6010.5	10	92.238.6013.5	10	92.238.6014.5	10
7.0 m	92.238.7010.5	5	92.238.7013.5	5	92.238.7014.5	5
8.0 m	92.238.8010.5	5	92.238.8013.5	5	92.238.8014.5	5

¹⁾ Modification of the sheath/insulation strip lengths available on request

²⁾ Other lengths available on request

GST 18i 3 pole 250 V, 16 A

			Intermediate coupling	Distribution block 11/30	Distribution block 11/50	
			For further direct connection e.g. from lamp to lamp	with locking device 1 input, 3 pole male connector 3 outputs, 3 pole female connector	with locking device 1 input, 3 pole male connector 5 outputs, 3 pole female connector	
Application	Coding	Colour	Part No.	Box Qty	Part No.	Box Qty
with fixing options			 <p>See "Accessories" for mounting plate See "Accessories" for mounting plate</p> 			
Mains with earth	Code 1	 L PE N	black white	92.030.4853.1 100 92.030.4853.0 100	92.030.5353.1 90 92.030.5353.0 90	
	Code 2	 L PE N	pebble grey			
	Code 3	 L PE N	light red			
Switching applications	Code 4	 1 2 3	brown			
			Type	GST 18i3V 3P1 F	GST 18i3V 5P1 F	
Application	Coding	Colour	Part No.	Box Qty	Part No.	Box Qty
without fixing option			 			
Mains with earth	Code 1	 N PE L	black white	92.030.5958.1 100 92.030.5958.0 100	92.030.4953.1 100 92.030.4953.0 100	92.030.5253.1 90 92.030.5253.0 90
	Code 2	 L PE N	pebble grey			
	Code 3	 L PE N	light red			
			Type	GST 18i3V 1P1	GST 18i3V 3P1	GST 18i3V 5P1
						



GST 18i3

3 pole mains

TT Connector

Distribution box

Sample set

TT Connector with locking device
1 input,
 3 pole male connector
1 output,
 3 pole female connector
 with integrated luminaire terminal for internal wiring of the luminaires

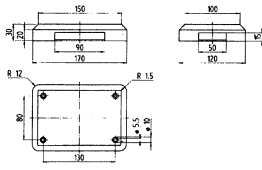
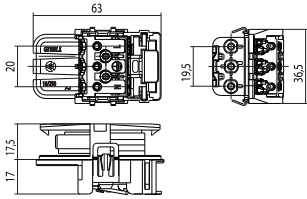
with locking device
distribution box
 with 8 ports
 Can be fitted as required with 3, 4 and 5 pole male and female connectors.
 Optional internal wiring depending on the application.

For GST 18i3

Part No. Box Qty

Part No. Box Qty

Part No. Box Qty



92.030.2053.0 50

See "Distribution units" for further information



Contents:

GST 18i3 connection cable
 3 x 1.5 mm², male-free end
 92.232.0204.1

GST 18i3 extension cable
 3 x 1.5 mm²
 92.232.0200.1

GST 18i3 spring-loaded connection
 female connector
 92.933.0053.1

GST 18i3 snap-in spring-loaded
 connection
 male connector
 92.032.9658.1

GST 18i3 T-distribution block
 92.030.1053.1

GST 18i3 distribution block
 11/30 with fixing option
 92.030.4853.1

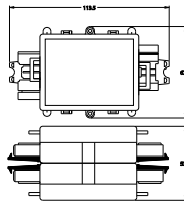
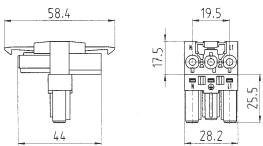
GST locking device for
 free cable connection
 05.587.3156.1

Part No. Box Qty

Part No. Box Qty

Distribution block T-connector
 with locking device
1 input, 3 pole male connector
2 outputs, 3 pole female connector

Distribution box 11/30
 with locking device
1 input, 3 pole male connector
3 outputs, 3 pole female connector



92.030.1053.1 100
 92.030.1053.0 100

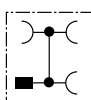
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99.500.0028.0

99.501.0028.0



GST 18i3V 2P1 T



GST 18i3V 3P1