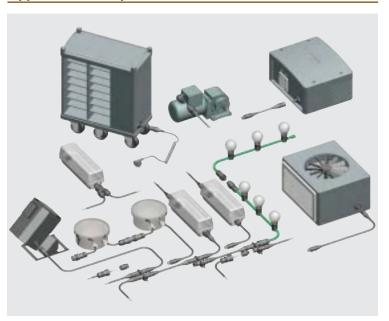


Mains, 3 pole

#### **Application example**



#### General

The 3 pole connectors come in two variations. The standard version for general mains applications, and a green coding for applications in multi-phase systems.

Both connectors are mechanically coded. This means that only associated pairs of male and female can be connected with the correct polarity. You therefore have the security of a clear separation of different applications without having to redo any incorrect connections.

The color of the connectors indicates the links that belong together.

#### Codina

Coaing							
				Application	Mains	250 V	Mains 250/400 V
				Mechanical coding	L, N,	ground	1, 2, ground
Name	Description	Connection style	Strain relief housing	Connection points per pole	gray	black	green
	1 x cable entry	Screw technology Spring clamp techn.	yes	1			
Connectors	2 x cable entry	Screw technology Spring clamp techn.	yes	2			
	Distribution block 1 E/ 3 A						
Distribution units	RST compact distributor/ multi distributor				available on request	available on request	available on request
	Individual distribution box				available on request	available on request	available on request
	Connection cable Male – Free end						
Cable assemblies	Connection cable Female – Free end						
	Extension cable Male – Female	pre- assembled	pre- assembled	pre- assembled			
	Connection cable Ground – Female						
	Connection cable Contour European plug SK II – Female						

### Connector for cables of Ø 6 – 10 and 10 – 14 mm

				Ø 6 – 10 and 10 – 14 r	nm
				With spring clamp connections rigid cables of 0.5 – 2.5 mm², fine stranded cables of 0.5 – 1.5 mm² with ferrules, stranded cables of 0.75 – 1.5 mm² with ferrules. Unassembled with cable gland¹¹ and locking device.	rigid, fine-stranded and stranded
				See "Technical Data" for sheath insulation strip lengths as well as ferrules to be used.	
Application	Coding	Cable diameter	Color	Part No. Std. Pack	Part No. Std. Pack
		Female co	nnector	6 34.7	SW 27
	201 L,	6 – 10 mm	gray black	96.031.0053.0 96.031.0053.1	96.031.4053.0 96.031.4053.1
Mains 250 V	ground, N	10 – 14 mm	gray black	96.031.0153.0 96.031.0153.1	96.031.4153.0 96.031.4153.1
		13 – 18 mm	gray black		
Mains 250/400 V	1, 2, ground	6 – 10 mm 10 – 14 mm 13 – 18 mm	green	96.031.0055.7 96.031.0155.7	96.031.4055.7 96.031.4155.7
Application	Coding	Cable diameter	Color	Part No. Std. Pack	Part No. Std. Pack
		Male co	nnector	6 34.7	SW 27
Mains 250 V  Mains 250/400 V	ground, N	6 - 10 mm 10 - 14 mm 13 - 18 mm 6 - 10 mm 10 - 14 mm	gray black gray black gray black	96.032.0053.0 96.032.0053.1 96.032.0153.0 96.032.0153.1 96.032.0055.7 96.032.0155.7	96.032.4053.0 96.032.4053.1 96.032.4153.0 96.032.4153.1 96.032.4055.7 96.032.4155.7
52	ground	13 – 18 mm	-		Telegraphic Cable gland with bend protection available on request With wire protection available on request

#### Connector for cable Ø 13 – 18 mm

#### **Splitter connector**

Mains, 3 pole

**With screw connection**<sup>2)</sup> for rigid, fine-stranded and stranded cables of max. 4.0 mm<sup>2</sup>. Unassembled with cable gland and locking device.

See "Technical Data" for sheath and insulation strip lengths.

Part No. Std. Pack

With spring clamp connections for rigid cables of 0.5 – 2.5 mm², fine-stranded cables of 0.5 – 1.5 mm² with ferrules, stranded cables of 0.75 – 1.5 mm² with ferrules. Unassembled with cable gland¹¹ and locking device.

See "Technical Data" for sheath and insulation strip lengths as well as the ferrules to be used.

**With screw connection**<sup>2)</sup> for rigid, fine-stranded and stranded cables of 0.75 – 2.5 mm<sup>2</sup>. Unassembled with cable gland<sup>1)</sup> and locking device.

See "Technical Data" for sheath and insulation strip lengths.

Part No.

See "Accessories" for the mounting plate used to fasten the splitter connector.

Std. Pack

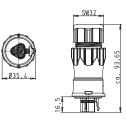
Son "Accessories" for the

Part No. Std. Pack

See "Accessories" for the mounting plate used to fasten the splitter connector.



	96.031.0253.0	96.031.4253.0	
	96.031.0253.1	96.031.4253.1	
	96.031.0353.0	96.031.4353.0	
	96.031.0353.1	96.031.4353.1	
96.031.4553.0			
96.031.4553.1			
	96.031.0255.7	96.031.4255.7	
	96.031.0355.7	96.031.4255.7	
96.031.4555.7			
Part No. Std. Pack			
I	I .		





96.032.4553.0	
96.032.4553.1	

96.032.4555.7

### **Appliance connectors**

	Appliance connector M25	5, standard	Appliance connector M20	0, modular, straight
	With spring clamp connections for rigid cables of 0.5 – 2.5 mm², fine-stranded cables of 0.5 – 1.5 mm² with ferrules, stranded cables of 0.75 – 1.5 mm² with ferrules. 2 connection points per pole. With locking device. Fixing in position guaranteed by flattening the thread. With M25x1.5 thread, external cable gland.	With screw connections for rigid, fine-stranded and stranded cables of 0.75 – 4.0 mm².  1 connection point per pole. With loking device. Fixing in position guaranteed by flattening the thread. With M25x1.5 thread, external cable gland.	igid cables of 0.5 – 2.5 mm², fine- stranded cables of 0.5 – 1.5 mm² with ferrules, stranded cables of 0.75 – 1.5 mm² with ferrules. 2 connection points per pole. With locking device. Fixing in position guaranteed by flattening the thread. With M20x1.5 thread, internal cable gland.	With screw connections for rigid, fine-stranded and stranded cables of 0.75 – 4.0 mm². 1 connection point per pole. With locking device. Fixing in position guaranteed by flattening the thread. With M20x1.5 thread, internal cable gland.
Application Color	Con "Tankning Data" for	Part No. Std. Pack See "Technical Data" for insulation strip lengths.	Part No. Std. Pack See "Technical Data" for insulation strip lengths and the ferru- les to be used.	Part No. Std. Pack See "Technical Data" for insulation strip lengths.
Female connector	W 12	11,7 +0,2 ø25,50 ± 0,25	934.7 934.7 30 120x1,5	8,7 +0,2 021,75 ±1,25
			SW28	
Mains 250 V grable black	*1	96.031.5053.0 96.031.5053.1	96.031.2053.0 96.031.2053.1	96.031.6053.0 96.031.6053.1
Mains 250/400 V ground 1, 2, ground	n 96.031.1055.7	96.031.5055.7	96.031.2055.7	96.031.6055.7
Application Color	Part No. Std. Pack	Part No. Std. Pack	Part No. Std. Pack	Part No. Std. Pack
Male connector	\$\frac{\sqrt{\sq}}}}}}}}}}}} \sqrt{\sq}}}}}}}}}} \sqrt{\sintexign{\sqrt{	11,7 +0,2 025,50 ± 0,25	W26 W28 W28	8,7 +0,2 021,75 ±1,25
Mains 250 V grablace	*1	96.032.5053.0 96.032.5053.1	96.032.2053.0 96.032.2053.1	96.032.6053.0 96.032.6053.1
Mains 250/400 V 1, 2, ground	n 96.032.1055.7	96.032.5055.7	96.032.2055.7	96.032.6055.7

				Appliance connector M20, modular, angled		
		Appliance connector M16		1		
		With spring clamp connections for rigid cables of 0.5 – 2.5 mm², fine-stranded cables of 0.5 – 1.5 mm² with ferrules, stranded cables of 0.75 – 1.5 mm² with ferrules.  2 connection points per pole. With locking device. Fixing in position guaranteed by flattening the thread. With M16x1.5 thread, internal cable gland.	With screw connections for rigid, fine-stranded and stranded cables of 0.75 – 4.0 mm².  1 connection point per pole. With locking device. Fixing in position guaranteed by flattening the thread. With M16x1.5 thread, internal cable gland.	With spring clamp connections for rigid cables of 0.5 – 2.5 mm², fine-stranded cables of 0.5 – 1.5 mm² with ferrules, stranded cables of 0.75 – 1.5 mm² with ferrules. 2 connection points per pole. With locking device. Fixing in position guaranteed by flattening the thread. With M20x1.5 thread, internal cable gland.	With screw connections for rigid, fine-stranded and stranded cables of 0.75 – 4.0 mm².  1 connection point per pole. With locking device. Fixing in position guaranteed by flattening the thread. With M20x1.5 thread, internal cable gland.	
Application	nector	Part No. Std. Pack See "Technical Data" for insulation strip lengths and the ferrules to be used.	Part No. Std. Pack See "Technical Data" for insulation strip lengths.	Part No. Std. Pack See "Technical Data" for insulation strip lengths and the ferru- les to be used.	Part No. Std. Pack See "Technical Data" for insulation strip lengths.	
	Female connector		SW22 M6015 2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	15	Gebbussesschitt  wahtweise 8,750,2	
Mains 250 V	gray	96.031.2153.0	96.031.6153.0	96.033.2053.0	96.033.6053.0	
L, N, ground		96.031.2153.1	96.031.6153.1	96.033.2053.1	96.033.6053.1	
Mains 250/400 V 1, 2, ground	green	96.031.2155.7	96.031.6155.7	96.033.2055.7	96.033.6055.7	
Application	Color	Part No. Std. Pack	Part No. Std. Pack	Part No. Std. Pack	Part No. Std. Pack	
	Male connector		SW22 Winds	15 39,3	Subhive-busschnitt  Transdon  21,25 + 1,85	
Mains 250 V	gray black		96.032.6153.0 96.032.6153.1	96.034.2053.0 96.034.2053.1	96.034.6053.0 96.034.6053.1	
Mains 250/400 V 1, 2, ground	green	96.032.2155.7	96.032.6155.7	96.034.2055.7	96.034.6055.7	
				1		

### Cable assemblies, 1.5 mm<sup>2</sup>

		Extension cable	Connection cable	Connection cable	Mains connection cable
		H05VV-F 3G1,5	H05VV-F 3G1,5	H05VV-F 3G1,5	H05VV-F 3G1,5 mm <sup>2</sup>
		Female – Male with locking device	Female – Free end with ultrasonically welded wire ends	Male – Free end with ultrasonically welded wire ends and locking device	Safety plug RST female connector
			Cable strip length: 35 mm Insulation strip length: 9 mm	Cable strip length: 35 mm Insulation strip length: 9 mm	
assem	= bl = br = gn/yl	Ø 25	Ø 25	0 25	
Mains 250 V L, N, ground Female	1.0 m 2.0 m 3.0 m 4.0 m 5.0 m 6.0 m 7.0 m 8.0 m	Part No. Std. Pack  Black insulation  96.232.1000.1  96.232.2000.1  96.232.3000.1  96.232.4000.1  96.232.5000.1  96.232.6000.1  96.232.7000.1  96.232.8000.1	Part No. Std. Pack  96.232.1003.1 96.232.2003.1 96.232.3003.1 96.232.4003.1 96.232.5003.1 96.232.6003.1 96.232.7003.1 96.232.8003.1	Part No. Std. Pack  96.232.1004.1 96.232.2004.1 96.232.3004.1 96.232.4004.1 96.232.5004.1 96.232.6004.1 96.232.7004.1 96.232.7004.1	
Male	1.0 m 2.0 m 3.0 m 4.0 m 5.0 m 6.0 m 7.0 m 8.0 m	Gray insulation 96.232.1000.0 96.232.2000.0 96.232.3000.0 96.232.4000.0 96.232.5000.0 96.232.6000.0 96.232.7000.0 96.232.8000.0	96.232.1003.0 96.232.2003.0 96.232.3003.0 96.232.4003.0 96.232.5003.0 96.232.6003.0 96.232.7003.0 96.232.8003.0	96.232.1004.0 96.232.2004.0 96.232.3004.0 96.232.4004.0 96.232.5004.0 96.232.6004.0 96.232.7004.0 96.232.8004.0	All gray 99.706.0000.7 1.5 m 99.707.0000.7 2.5 m
Mains 250/400 V  1, 2, ground  Female  Male	1.0 m 2.0 m 3.0 m 4.0 m 5.0 m 6.0 m 7.0 m 8.0 m	Green insulation 96.232.1001.7 96.232.2001.7 96.232.3001.7 96.232.4001.7 96.232.5001.7 96.232.6001.7 96.232.7001.7	96.232.1005.7 96.232.2005.7 96.232.3005.7 96.232.4005.7 96.232.5005.7 96.232.6005.7 96.232.7005.7 96.232.8005.7	96.232.1006.7 96.232.2006.7 96.232.3006.7 96.232.4006.7 96.232.5006.7 96.232.6006.7 96.232.7006.7 96.232.8006.7	

<sup>&</sup>lt;sup>1)</sup> Other cables available on request <sup>2)</sup> Other lengths available on request

<sup>56</sup> 

	Extension cable	Connection cable	Connection cable	Mains <i>Mains, 3 pole</i> connection cable
	H07RN-F 3G1,5	H07RN-F 3G1,5	H07RN-F 3G1,5	H07RN-F 3G1,5
	Female – Male with locking device	Female – Free end with ultrasonically welded wire ends	Male – Free end with ultrasonically welded wire ends and locking device	Safety plug with splash guard RST female connector
		Cable strip length: 35 mm Insulation strip length: 9 mm	Cable strip length: 35 mm Insulation strip length: 9 mm	
Cable assemblies  N = bl L = br ground = gn/yl  Cable 1) and shrinkage tube in black	Ø 25	Ø 25	9 25	
Mains 250 V L, N, ground L, N, ground Som Female Male  Length <sup>2</sup> 1.0 m 2.0 m 3.0 m 6.0 m 7.0 m 8.0 m	Part No. Std. Pack  Black insulation  96.232.1030.1  96.232.2030.1  96.232.4030.1  96.232.5030.1  96.232.6030.1  96.232.7030.1  96.232.8030.1	Part No. Std. Pack  96.232.1033.1 96.232.2033.1 96.232.4033.1 96.232.5033.1 96.232.6033.1 96.232.7033.1 96.232.7033.1	Part No. Std. Pack  96.232.1034.1  96.232.2034.1  96.232.4034.1  96.232.5034.1  96.232.6034.1  96.232.7034.1  96.232.8034.1	All black 99.704.0000.7 1.5 m 99.705.0000.7 2.5 m
1.0 m 2.0 m 3.0 m 4.0 m 5.0 m 6.0 m 7.0 m 8.0 m	96.232.1030.0 96.232.2030.0 96.232.3030.0 96.232.4030.0 96.232.5030.0 96.232.7030.0 96.232.7030.0	96.232.1033.0 96.232.2033.0 96.232.4033.0 96.232.4033.0 96.232.5033.0 96.232.7033.0 96.232.8033.0	96.232.1034.0 96.232.2034.0 96.232.3034.0 96.232.4034.0 96.232.5034.0 96.232.6034.0 96.232.7034.0 96.232.8034.0	
Mains 250/400 V 1.0 m 2.0 m 3.0 m 4.0 m 5.0 m 6.0 m 7.0 m 8.0 m	Green insulation 96.232.1031.7 96.232.2031.7 96.232.3031.7 96.232.4031.7 96.232.5031.7 96.232.6031.7 96.232.7031.7 96.232.8031.7	96.232.1035.7 96.232.2035.7 96.232.3035.7 96.232.4035.7 96.232.5035.7 96.232.6035.7 96.232.7035.7 96.232.8035.7	96.232.1036.7 96.232.2036.7 96.232.3036.7 96.232.4036.7 96.232.5036.7 96.232.6036.7 96.232.7036.7 96.232.8036.7	

<sup>1)</sup> Other cables available on request 2) Other lengths available on request

### Cable assemblies, 2.5 mm<sup>2</sup>

	Extension cable	Connection cable	Connection cable
	H05VV-F 3G2,5	H05VV-F 3G2,5	H05VV-F 3G2,5
	Female – Male with locking device	Female – Free end with ultrasonically welded wire ends	Male – Free end with ultrasonically welded wire ends and locking device
		Cable strip length: 35 mm Insulation strip length: 9 mm	Cable strip length: 35 mm Insulation strip length: 9 mm
Cable assemblie		Ø 25	Ø 25
N = bl L = br ground = gn/yl  Cable 1) and shrinkag tube in black			
Leng	th <sup>21</sup> Part No. Std. Pack	Part No. Std. Pack	Part No. Std. Pack
Mains 250 V	Black insulation		
L, N, ground 2.0 m 3.0 m 4.0 m 5.0 m Female 6.0 m 7.0 m 8.0 m	96.233.2000.1 96.233.3000.1 96.233.4000.1 96.233.5000.1 96.233.6000.1 96.233.7000.1	96.233.1003.1 96.233.2003.1 96.233.3003.1 96.233.4003.1 96.233.5003.1 96.233.6003.1 96.233.7003.1 96.233.8003.1	96.233.1004.1 96.233.2004.1 96.233.3004.1 96.233.4004.1 96.233.5004.1 96.233.6004.1 96.233.7004.1 96.233.8004.1
Male 1.0 m 2.0 m 3.0 m 4.0 m 5.0 m 6.0 m 7.0 m	96.233.2000.0 96.233.3000.0 96.233.4000.0 96.233.5000.0 96.233.5000.0 96.233.7000.0	96.233.1003.0 96.233.2003.0 96.233.3003.0 96.233.4003.0 96.233.5003.0 96.233.6003.0 96.233.7003.0 96.233.8003.0	96.233.1004.0 96.233.2004.0 96.233.3004.0 96.233.4004.0 96.233.5004.0 96.233.7004.0 96.233.8004.0 96.233.8004.0
8.0 m		+	<del>                                     </del>

<sup>&</sup>lt;sup>1)</sup> Other cables available on request <sup>2)</sup> Other lengths available on request

Mains, 3 pole

		Extension cable	Connection cable	Connection cable	Mains, 3 pole
		H07RN-F 3G2,5	H07RN-F 3G2,5	H07RN-F 3G2,5	
		Female – Male with locking device	Female – Free end with ultrasonically welded wire ends	Male – Free end with ultrasonically welded wire ends and locking device	
			Cable strip length: 35 mm Insulation strip length: 9 mm	Cable strip length: 35 mm Insulation strip length: 9 mm	
assem	bl br gn/yl	0 25	9 25	Ø 25	
	Length <sup>2)</sup>	Part No. Std. Pack	Part No. Std. Pack	Part No. Std. Pack	
Mains 250 V L, N, ground Female	1.0 m 2.0 m 3.0 m 4.0 m 5.0 m 6.0 m 7.0 m 8.0 m	Black insulation 96.233.1030.1 96.233.2030.1 96.233.3030.1 96.233.4030.1 96.233.5030.1 96.233.6030.1 96.233.7030.1 96.233.8030.1	96.233.1033.1 96.233.2033.1 96.233.3033.1 96.233.4033.1 96.233.5033.1 96.233.6033.1 96.233.7033.1 96.233.8033.1	96.233.1034.1 96.233.2034.1 96.233.3034.1 96.233.4034.1 96.233.5034.1 96.233.6034.1 96.233.7034.1 96.233.8034.1	
Male	1.0 m 2.0 m 3.0 m 4.0 m 5.0 m 6.0 m 7.0 m 8.0 m	Gray insulation 96.233.1030.0 96.233.2030.0 96.233.3030.0 96.233.4030.0 96.233.5030.0 96.233.6030.0 96.233.7030.0 96.233.8030.0	96.233.1033.0 96.233.2033.0 96.233.3033.0 96.233.4033.0 96.233.5033.0 96.233.6033.0 96.233.7033.0 96.233.8033.0	96.233.1034.0 96.233.2034.0 96.233.3034.0 96.233.4034.0 96.233.5034.0 96.233.6034.0 96.233.7034.0 96.233.8034.0	
Mains 250/400 V 1, 2, ground Female	1.0 m 2.0 m 3.0 m 4.0 m 5.0 m 6.0 m 7.0 m 8.0 m	Green insulation 96.233.1031.7 96.233.2031.7 96.233.3031.7 96.233.4031.7 96.233.5031.7 96.233.6031.7 96.233.7031.7 96.233.8031.7	96.233.1035.7 96.233.2035.7 96.233.3035.7 96.233.4035.7 96.233.5035.7 96.233.6035.7 96.233.7035.7 96.233.8035.7	96.233.1036.7 96.233.2036.7 96.233.3036.7 96.233.4036.7 96.233.5036.7 96.233.6036.7 96.233.7036.7 96.233.8036.7	
Male		1) Other cables available on request			

<sup>&</sup>lt;sup>1)</sup> Other cables available on request <sup>2)</sup> Other lengths available on request

### **Distribution units**

	Distribution block, 1E/3A	Distribution block, 1E/3A	
	with mounting option with locking levers 1 input, male connector, 3 pole 3 outputs, female connector, 3 pole	without mounting option with locking levers 1 input, male connector, 3 pole 3 outputs, female connector, 3 pole	
Color	Part No. Std. Pack	Part No. Std. Pack	
	8.8	68.6	
	52 74.8 42		
Mains 250 V gray black	96.030.0153.0 96.030.0153.1	96.030.0253.0 96.030.0253.1	
Mains 250/400 V green 1, 2, ground	96.030.0155.7	96.030.0255.7	
60			

		Mains, 3 pole
RST compact distributor	RST multi distributor	Distribution box
<ul> <li>Equip as needed with M25 appliance connectors 2 to 5 pole</li> <li>1 input; 3 outputs</li> <li>pre-wired with 2.5 mm²</li> <li>with mounting option</li> </ul>	<ul> <li>Equip as needed with M25 appliance connectors 2 to 5 pole</li> <li>1 input; 7 outputs (max.)</li> <li>Safety fuses 6.3 or 10 A can be integrated</li> <li>pre-wired with 2.5 mm²</li> <li>with mounting option</li> </ul>	The individual distribution boxes offer optimum solutions for your specific application.  The distributors are available in different dimensions and can accept DIN rail mounted devices and terminal blocks in any combination. Further connection to the consumer devices is carried out by the <i>gesis</i> IP+ connector system. Distribution blocks manufactured and tested according to specific customer requirements can be delivered to the construction site as pre-assembled components.  The locking devices are already integrated.
Part No. Std. Pack	Part No. Std. Pack	Part No. Std. Pack
Forecasted for the 4th quarter of 2006	Forecasted for the 4th quarter of 2006	Available on request
		61