

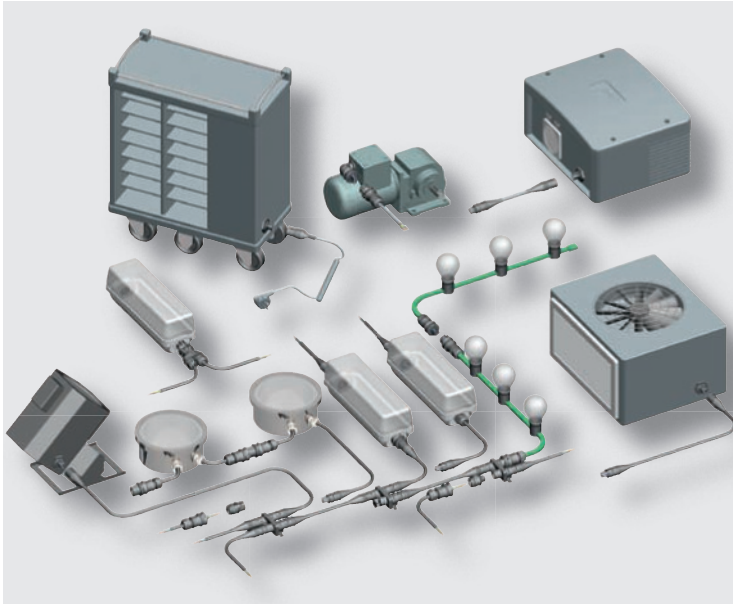
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RST 20i3

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.

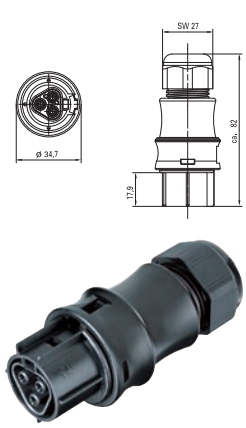


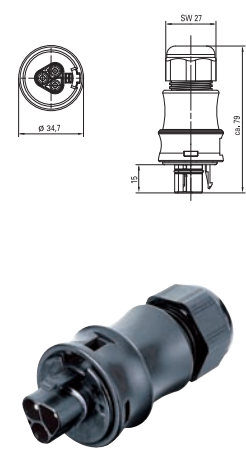


RST 20i3

Coding

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

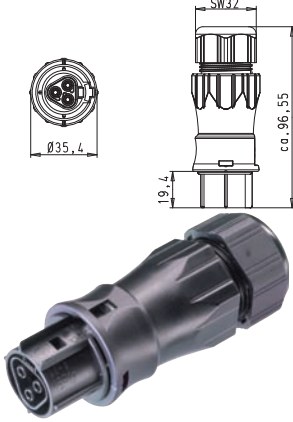
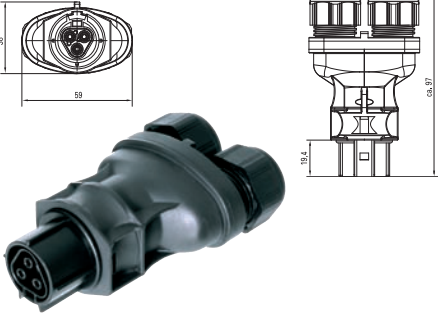
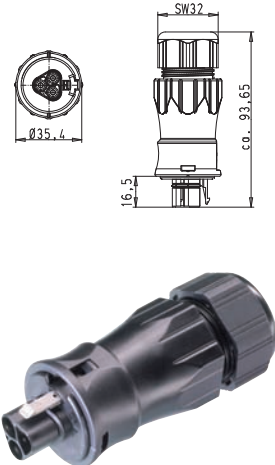
Connectors

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

				<p>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 gland¹⁾ and locking device.</p> <p>See "Technical Data" for sheath and insulation strip lengths as well as the ferrules to be used.</p>		<p>With screw connection²⁾ or rigid, fine-stranded and stranded cables of 0.75 – 4.0 mm². Unassembled with cable gland¹⁾ and locking device.</p> <p>See "Technical Data" for sheath and insulation strip lengths.</p>	
Application	Coding	Cable diameter	Color	Part No.	Std. Pack	Part No.	Std. Pack
Female connector							
Mains 250 V	L, ground, N 	6 – 10 mm	gray black	96.031.0053.0 96.031.0053.1		96.031.4053.0 96.031.4053.1	
		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 connector							
Mains 250 V	L, ground, N 	6 – 10 mm	gray black	96.032.0053.0 96.032.0053.1		96.032.4053.0 96.032.4053.1	
		10 – 14 mm	gray black	96.032.0153.0 96.032.0153.1		96.032.4153.0 96.032.4153.1	
		13 – 18 mm	gray black				
Mains 250/400 V	1, 2, ground 	6 – 10 mm 10 – 14 mm 13 – 18 mm	green	96.032.0055.7 96.032.0155.7		96.032.4055.7 96.032.4155.7	
						<p>¹⁾ Cable gland with bend protection available on request</p> <p>²⁾ With wire protection available on request</p>	

Connector for cable Ø 13 – 18 mm


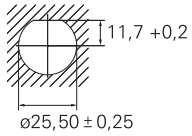
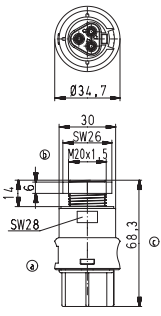

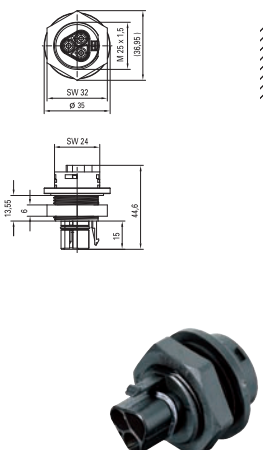
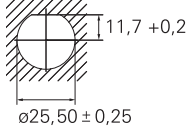
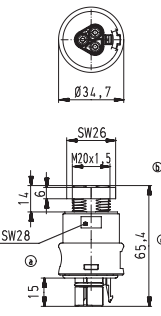

Splitter connector

Connector for cable Ø 13 – 18 mm		Splitter connector			
Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
<p>With screw connection²⁾ or rigid, fine-stranded and stranded cables of max. 4.0 mm². Unassembled with cable gland and locking device.</p> <p>See "Technical Data" for sheath and insulation strip lengths.</p> 		<p>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 gland¹⁾ and locking device. See "Technical Data" for sheath and insulation strip lengths as well as the ferrules to be used.</p> <p>See "Accessories" for the mounting plate used to fasten the splitter connector.</p> 		<p>With screw connection²⁾ or rigid, fine-stranded and stranded cables of 0.75 – 2.5 mm². Unassembled with cable gland¹⁾ and locking device.</p> <p>See "Technical Data" for sheath and insulation strip lengths.</p> <p>See "Accessories" for the mounting plate used to fasten the splitter connector.</p>	
		96.031.0253.0 96.031.0253.1 96.031.0353.0 96.031.0353.1		96.031.4253.0 96.031.4253.1 96.031.4353.0 96.031.4353.1	
96.031.4553.0 96.031.4553.1					
96.031.4555.7		96.031.0255.7 96.031.0355.7		96.031.4255.7 96.031.4355.7	
Part No.	Std. Pack				
					
96.032.4553.0 96.032.4553.1					
96.032.4555.7					

Appliance connectors

Appliance connector M25, standard


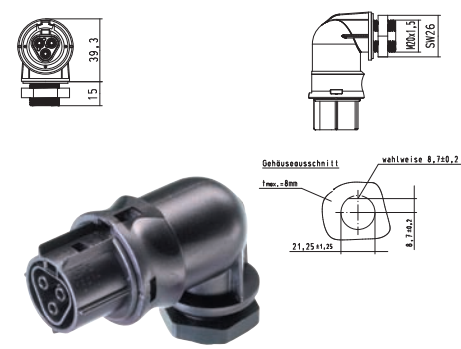


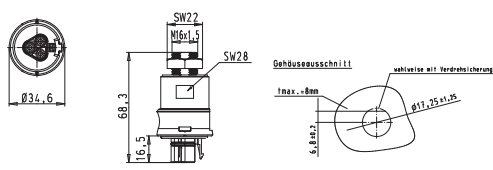
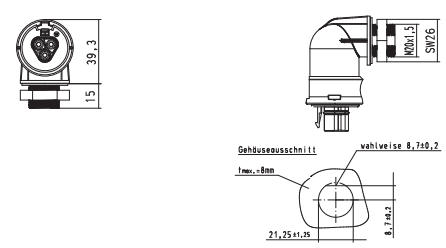


Appliance connector M20, modular, straight

		Appliance connector M25, standard		Appliance connector M20, modular, straight					
		<p>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</p>		<p>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 M25x1.5 thread, external cable gland.</p>		<p>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.</p>		<p>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.</p>	
Application	Color	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Female connector		See "Technical Data" for insulation strip lengths and the ferrules to be used.		See "Technical Data" for insulation strip lengths.		See "Technical Data" for insulation strip lengths and the ferrules to be used.		See "Technical Data" for insulation strip lengths.	
									
Mains 250V L, N, ground	gray black	96.031.1053.0 96.031.1053.1		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 250/400V 1, 2, ground	green	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									
		Mains 250V L, N, ground	gray black	96.032.1053.0 96.032.1053.1		96.032.5053.0 96.032.5053.1		96.032.2053.0 96.032.2053.1	
Mains 250/400V 1, 2, ground	green	96.032.1055.7		96.032.5055.7		96.032.2055.7		96.032.6055.7	


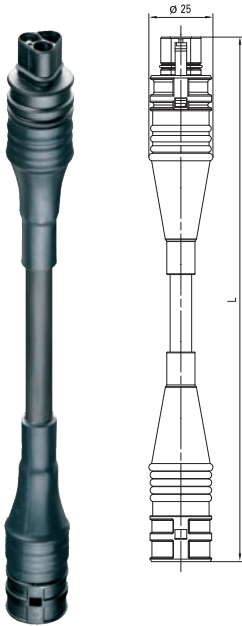
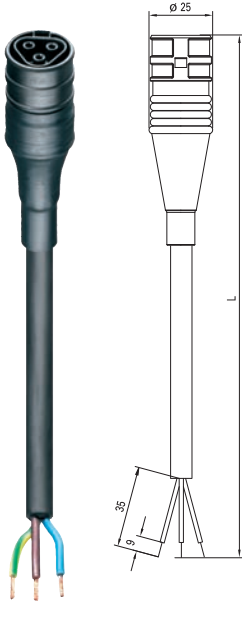
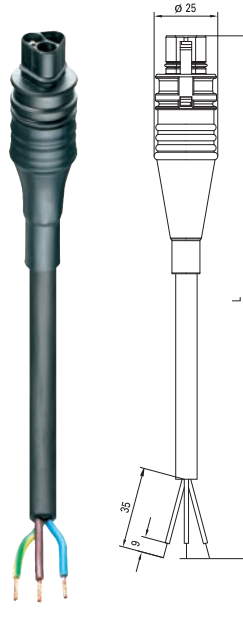
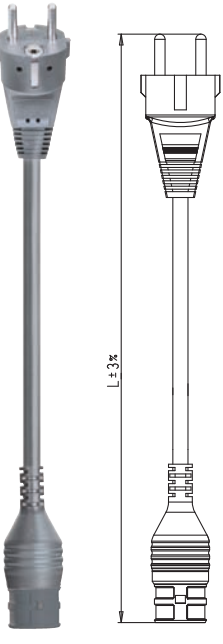
RST 20i3

Appliance connector M 16, modular, straight

Appliance connector M 20, modular, angled

		Appliance connector M 16, modular, straight		Appliance connector M 20, modular, angled							
		<p>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.</p>		<p>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.</p>		<p>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.</p>		<p>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.</p>			
Application	Color	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack		
Female connector		See "Technical Data" for insulation strip lengths and the ferrules to be used.		See "Technical Data" for insulation strip lengths.		See "Technical Data" for insulation strip lengths and the ferrules to be used.		See "Technical Data" for insulation strip lengths.			
											
Mains 250V L, N, ground	gray/black	96.031.2153.0 96.031.2153.1		96.031.6153.0 96.031.6153.1		96.033.2053.0 96.033.2053.1		96.033.6053.0 96.033.6053.1			
Mains 250/400V 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											
		Mains 250V L, N, ground	gray/black	96.032.2153.0 96.032.2153.1		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 250/400V 1, 2, ground	green	96.032.2155.7		96.032.6155.7		96.034.2055.7		96.034.6055.7			


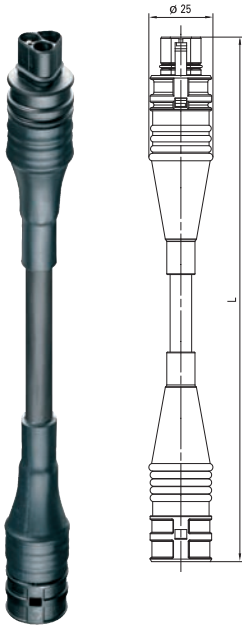
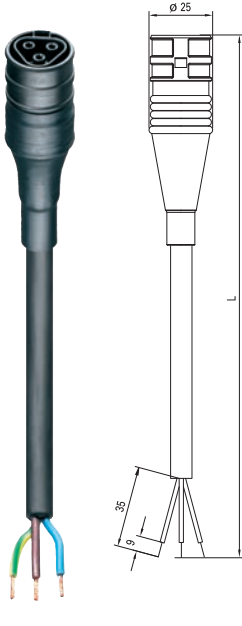
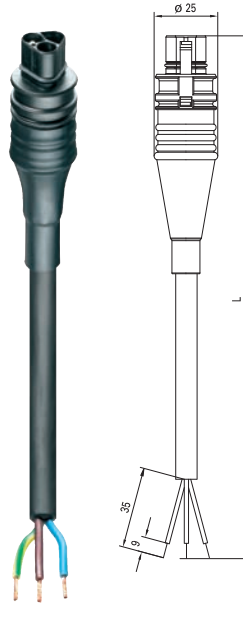
Cable assemblies, 1.5 mm²

		Extension cable	Connection cable	Connection cable	Mains connection cable		
		H05VV-F 3x1.5 Female – Male with locking device	H05VV-F 3x1.5 Female – Free end with ultrasonically welded wire ends	H05VV-F 3x1.5 Male – Free end with ultrasonically welded wire ends and locking device	H05VV-F 3x1.5 Contour European plug SKII 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					
Application	Length ²⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Mains 250 V		Black insulation					
L, N, ground	1.0 m	96.232.1000.1		96.232.1003.1		96.232.1004.1	
	2.0 m	96.232.2000.1		96.232.2003.1		96.232.2004.1	
	3.0 m	96.232.3000.1		96.232.3003.1		96.232.3004.1	
	4.0 m	96.232.4000.1		96.232.4003.1		96.232.4004.1	
	5.0 m	96.232.5000.1		96.232.5003.1		96.232.5004.1	
Female	6.0 m	96.232.6000.1		96.232.6003.1		96.232.6004.1	
	7.0 m	96.232.7000.1		96.232.7003.1		96.232.7004.1	
	8.0 m	96.232.8000.1		96.232.8003.1		96.232.8004.1	
		Gray insulation					
Male	1.0 m	96.232.1000.0		96.232.1003.0		96.232.1004.0	
	2.0 m	96.232.2000.0		96.232.2003.0		96.232.2004.0	
	3.0 m	96.232.3000.0		96.232.3003.0		96.232.3004.0	
	4.0 m	96.232.4000.0		96.232.4003.0		96.232.4004.0	
	5.0 m	96.232.5000.0		96.232.5003.0		96.232.5004.0	
	6.0 m	96.232.6000.0		96.232.6003.0		96.232.6004.0	
	7.0 m	96.232.7000.0		96.232.7003.0		96.232.7004.0	
	8.0 m	96.232.8000.0		96.232.8003.0		96.232.8004.0	
		Completely gray					
						99.706.0000.7	1.5 m
						99.707.0000.7	2.5 m
Mains 250/400 V		Green insulation					
1, 2, ground	1.0 m	96.232.1001.7		96.232.1005.7		96.232.1006.7	
	2.0 m	96.232.2001.7		96.232.2005.7		96.232.2006.7	
	3.0 m	96.232.3001.7		96.232.3005.7		96.232.3006.7	
	4.0 m	96.232.4001.7		96.232.4005.7		96.232.4006.7	
	5.0 m	96.232.5001.7		96.232.5005.7		96.232.5006.7	
Female	6.0 m	96.232.6001.7		96.232.6005.7		96.232.6006.7	
	7.0 m	96.232.7001.7		96.232.7005.7		96.232.7006.7	
	8.0 m	96.232.8001.7		96.232.8005.7		96.232.8006.7	
Male							

¹⁾ Other cables available on request


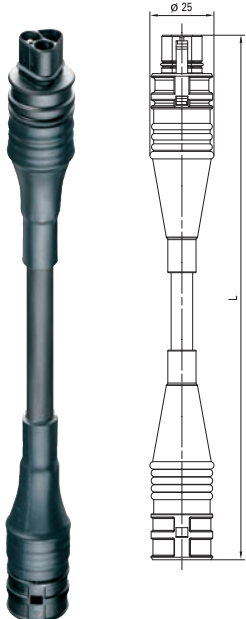
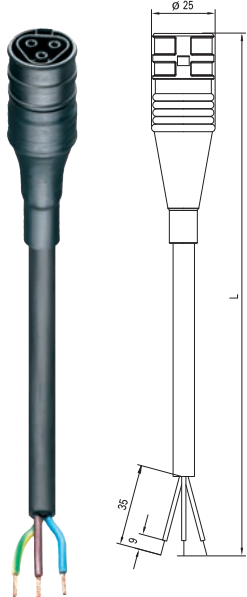
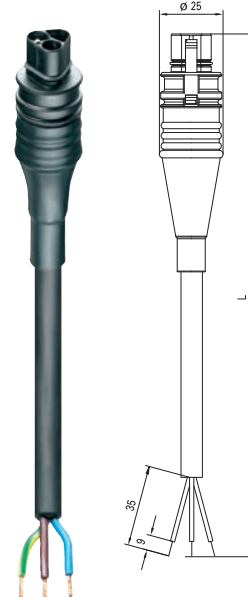




²⁾ Other lengths available on request

Cable assemblies, 2.5 mm

		Extension cable	Connection cable	Connection cable	
		H05VV-F 3x2.5 Female – Male with locking device	H05VV-F 3x2.5 Female – Free end with ultrasonically welded wire ends	H05VV-F 3x2.5 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 assemblies					
 <p>N = bl L = br ground = gn/yl</p>					
Cable ¹⁾ and shrinkage tube in black					
Application	Length ²⁾	Part No.	Std. Pack	Part No.	Std. Pack
Mains 250 V		Black insulation			
L, N, ground	1.0 m	96.233.1000.1		96.233.1003.1	96.233.1004.1
	2.0 m	96.233.2000.1		96.233.2003.1	96.233.2004.1
	3.0 m	96.233.3000.1		96.233.3003.1	96.233.3004.1
	4.0 m	96.233.4000.1		96.233.4003.1	96.233.4004.1
	5.0 m	96.233.5000.1		96.233.5003.1	96.233.5004.1
Female	6.0 m	96.233.6000.1		96.233.6003.1	96.233.6004.1
	7.0 m	96.233.7000.1		96.233.7003.1	96.233.7004.1
	8.0 m	96.233.8000.1		96.233.8003.1	96.233.8004.1
Male		Gray insulation			
	1.0 m	96.233.1000.0		96.233.1003.0	96.233.1004.0
	2.0 m	96.233.2000.0		96.233.2003.0	96.233.2004.0
	3.0 m	96.233.3000.0		96.233.3003.0	96.233.3004.0
	4.0 m	96.233.4000.0		96.233.4003.0	96.233.4004.0
	5.0 m	96.233.5000.0		96.233.5003.0	96.233.5004.0
	6.0 m	96.233.6000.0		96.233.6003.0	96.233.6004.0
	7.0 m	96.233.7000.0		96.233.7003.0	96.233.7004.0
	8.0 m	96.233.8000.0		96.233.8003.0	96.233.8004.0
Mains 250/400 V		Green insulation			
1, 2, ground	1.0 m	96.233.1001.7		96.233.1005.7	96.233.1006.7
	2.0 m	96.233.2001.7		96.233.2005.7	96.233.2006.7
	3.0 m	96.233.3001.7		96.233.3005.7	96.233.3006.7
	4.0 m	96.233.4001.7		96.233.4005.7	96.233.4006.7
	5.0 m	96.233.5001.7		96.233.5005.7	96.233.5006.7
Female	6.0 m	96.233.6001.7		96.233.6005.7	96.233.6006.7
	7.0 m	96.233.7001.7		96.233.7005.7	96.233.7006.7
	8.0 m	96.233.8001.7		96.233.8005.7	96.233.8006.7
Male					

¹⁾ Other cables available on request

²⁾ Other lengths available on request

		Extension cable	Connection cable	Connection cable	
		H07RN-F 3x2.5 Female – Male with locking device	H07RN-F 3x2.5 Female – Free end with ultrasonically welded wire ends	H07RN-F 3x2.5 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 assemblies					
 <p>N = bl L = br ground = gn/yl</p>					
Cable ¹⁾ and shrinkage tube in black					
Application	Length ²⁾	Part No.	Std. Pack	Part No.	Std. Pack
Mains 250 V		Black insulation			
L, N, ground  Female	1.0 m	96.233.1030.1		96.233.1033.1	96.233.1034.1
	2.0 m	96.233.2030.1		96.233.2033.1	96.233.2034.1
	3.0 m	96.233.3030.1		96.233.3033.1	96.233.3034.1
	4.0 m	96.233.4030.1		96.233.4033.1	96.233.4034.1
	5.0 m	96.233.5030.1		96.233.5033.1	96.233.5034.1
	6.0 m	96.233.6030.1		96.233.6033.1	96.233.6034.1
	7.0 m	96.233.7030.1		96.233.7033.1	96.233.7034.1
	8.0 m	96.233.8030.1		96.233.8033.1	96.233.8034.1
 Male	1.0 m	96.233.1030.0		96.233.1033.0	96.233.1034.0
	2.0 m	96.233.2030.0		96.233.2033.0	96.233.2034.0
	3.0 m	96.233.3030.0		96.233.3033.0	96.233.3034.0
	4.0 m	96.233.4030.0		96.233.4033.0	96.233.4034.0
	5.0 m	96.233.5030.0		96.233.5033.0	96.233.5034.0
	6.0 m	96.233.6030.0		96.233.6033.0	96.233.6034.0
	7.0 m	96.233.7030.0		96.233.7033.0	96.233.7034.0
	8.0 m	96.233.8030.0		96.233.8033.0	96.233.8034.0
Mains 250/400 V 1, 2, ground  Female	1.0 m	96.233.1031.7		96.233.1035.7	96.233.1036.7
	2.0 m	96.233.2031.7		96.233.2035.7	96.233.2036.7
	3.0 m	96.233.3031.7		96.233.3035.7	96.233.3036.7
	4.0 m	96.233.4031.7		96.233.4035.7	96.233.4036.7
	5.0 m	96.233.5031.7		96.233.5035.7	96.233.5036.7
	6.0 m	96.233.6031.7		96.233.6035.7	96.233.6036.7
	7.0 m	96.233.7031.7		96.233.7035.7	96.233.7036.7
	8.0 m	96.233.8031.7		96.233.8035.7	96.233.8036.7
 Male	1.0 m	96.233.1031.7		96.233.1035.7	96.233.1036.7
	2.0 m	96.233.2031.7		96.233.2035.7	96.233.2036.7
	3.0 m	96.233.3031.7		96.233.3035.7	96.233.3036.7
	4.0 m	96.233.4031.7		96.233.4035.7	96.233.4036.7
	5.0 m	96.233.5031.7		96.233.5035.7	96.233.5036.7
	6.0 m	96.233.6031.7		96.233.6035.7	96.233.6036.7
	7.0 m	96.233.7031.7		96.233.7035.7	96.233.7036.7
	8.0 m	96.233.8031.7		96.233.8035.7	96.233.8036.7

¹⁾ Other cables available on request
²⁾ 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		
Application	Color	Part No.	Std. Pack	Part No.	Std. Pack	
Mains 250V L, N, ground	gray black	96.030.0153.0 96.030.0153.1		96.030.0253.0 96.030.0253.1		
Mains 250/400V 1, 2, ground	green	96.030.0155.7		96.030.0255.7		

RST 20i3

RST compact distributor

- Equip as needed with M25 appliance connectors 2 to 5 pole
- 1 input; 3 outputs
- pre-wired with 2.5 mm²
- with mounting option

Part No. Std. Pack

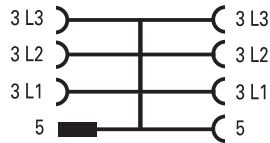


96.050.0153.1

RST multi distributor

- Equip as needed with M25 appliance connectors 2 to 5 pole
- 1 input; 7 outputs (max.)
- Safety fuses 6.3 or 10 A can be integrated
- pre-wired with 2.5 mm²

Part No. Std. Pack



96.050.7153.1

Distribution box

The individual distribution boxes offer optimal solutions for your specific application. The distribution boxes 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 **gesis** IP+ connector system. Distribution blocks manufactured and tested according to specific customer requirements can be delivered to the construction site as pre-assembled components.

Part No. Std. Pack

The locking devices are already integrated.



available on request

See page 102 and following or Customer Information 0161.8 for additional distribution units