

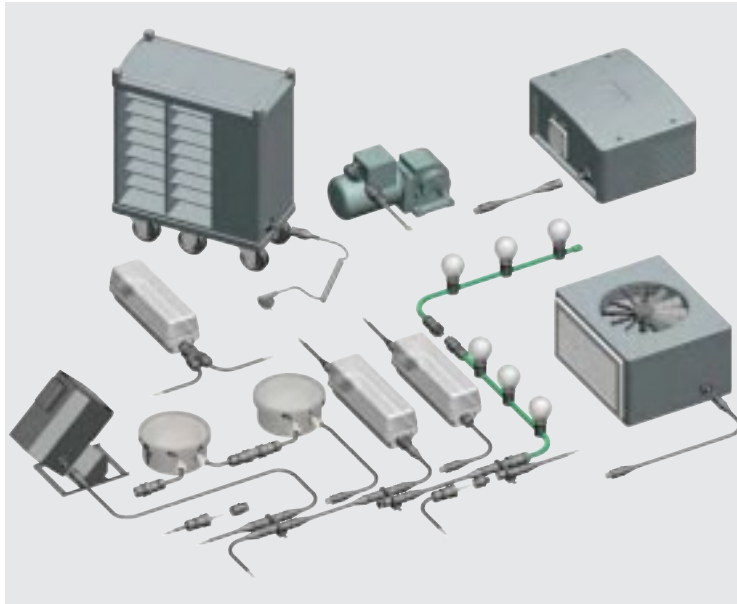
gesis[®]



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.

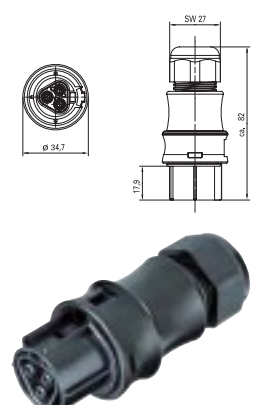
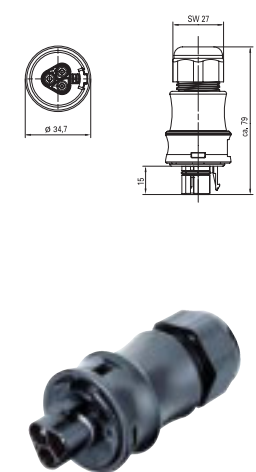
RST 20i3

Coding

					Application		
					Mains 250 V		Mains 250/400 V
					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

				With spring clamp connections for rigid cables of 0.5 – 2.5 mm ² , fine-stranded cables of 0.5 – 1.5 mm ² with ferrules, stranded cables of 0.75 – 1.5 mm ² with ferrules. Unassembled with cable gland ¹⁾ and locking device. See “Technical Data” for sheath and insulation strip lengths as well as the ferrules to be used.	With screw connection²⁾ for rigid, fine-stranded and stranded cables of 0.75 – 4.0 mm ² . Unassembled with cable gland ¹⁾ and locking device. See “Technical Data” for sheath and insulation strip lengths.		
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		96.031.4053.0	
		10 – 14 mm	gray black	96.031.0153.0		96.031.4153.0	
		13 – 18 mm	gray black	96.031.0153.1		96.031.4153.1	
Mains 250/400 V	 1, 2, ground	6 – 10 mm	green	96.031.0055.7		96.031.4055.7	
		10 – 14 mm		96.031.0155.7		96.031.4155.7	
		13 – 18 mm					
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		96.032.4053.0	
		10 – 14 mm	gray black	96.032.0153.0		96.032.4153.0	
		13 – 18 mm	gray black	96.032.0153.1		96.032.4153.1	
Mains 250/400 V	 1, 2, ground	6 – 10 mm	green	96.032.0055.7		96.032.4055.7	
		10 – 14 mm		96.032.0155.7		96.032.4155.7	
		13 – 18 mm					
				¹⁾ Cable gland with bend protection available on request ²⁾ With wire protection available on request			

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Connector for cable Ø 13 – 18 mm

Splitter connector

With screw connection²⁾ for rigid, fine-stranded and stranded cables of max. 4.0 mm².
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 gland¹⁾ and locking device.

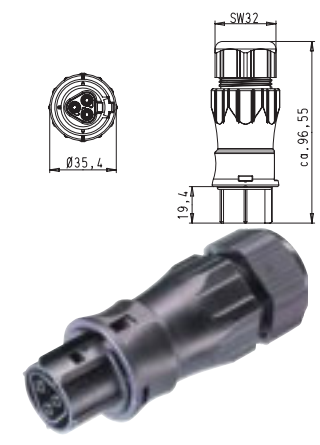
See "Technical Data" for sheath and insulation strip lengths as well as the ferrules to be used.

Part No. Std. Pack

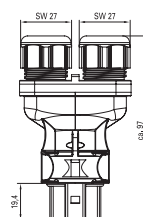
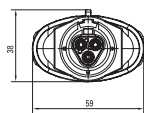
With screw connection²⁾ for rigid, fine-stranded and stranded cables of 0.75 – 2.5 mm².
Unassembled with cable gland¹⁾ and locking device.

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

Part No. Std. Pack

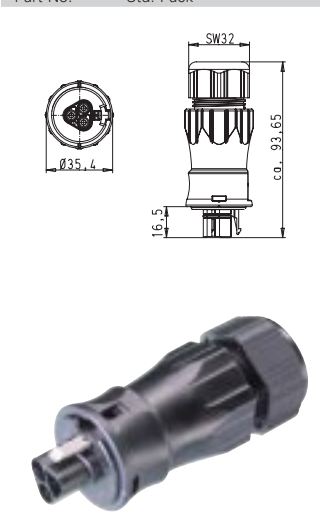


See "Accessories" for the mounting plate used to fasten the splitter connector.



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

	96.031.0253.0 96.031.0253.1	96.031.4253.0 96.031.4253.1	
	96.031.0353.0 96.031.0353.1	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 96.031.4255.7	
Part No. Std. Pack			

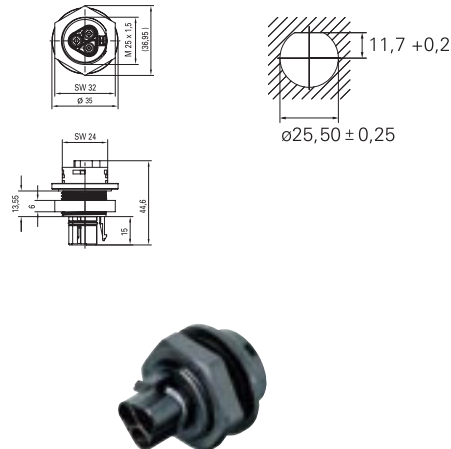
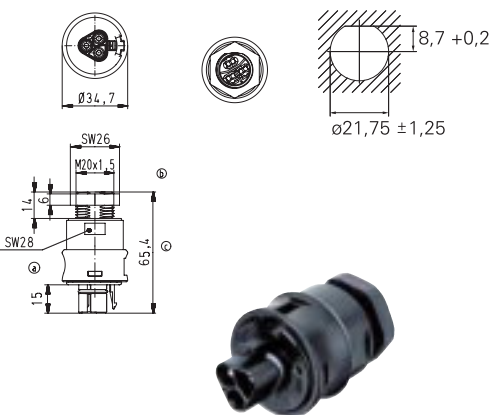


96.032.4553.0 96.032.4553.1
96.032.4555.7

Appliance connectors

Appliance connector M25, standard

Appliance connector M20, modular, straight

		With spring clamp connections for rigid cables of 0.5 – 2.5 mm ² , fine-stranded cables of 0.5 – 1.5 mm ² with ferrules, stranded cables of 0.75 – 1.5 mm ² 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 mm ² . 1 connection point per pole. With locking device. Fixing in position guaranteed by flattening the thread. With M25x1.5 thread, external cable gland.		igid cables of 0.5 – 2.5 mm ² , fine-stranded cables of 0.5 – 1.5 mm ² with ferrules, stranded cables of 0.75 – 1.5 mm ² 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 mm ² . 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	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 250 V	gray	96.031.1053.0		96.031.5053.0		96.031.2053.0		96.031.6053.0					
 L, N, ground	black	96.031.1053.1		96.031.5053.1		96.031.2053.1		96.031.6053.1					
Mains 250/400 V	green	96.031.1055.7		96.031.5055.7		96.031.2055.7		96.031.6055.7					
 1, 2, ground													
Application	Color	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack				
Male connector													
													
Mains 250 V	gray	96.032.1053.0		96.032.5053.0		96.032.2053.0		96.032.6053.0					
 L, N, ground	black	96.032.1053.1		96.032.5053.1		96.032.2053.1		96.032.6053.1					
Mains 250/400 V	green	96.032.1055.7		96.032.5055.7		96.032.2055.7		96.032.6055.7					
 1, 2, ground													

Appliance connector M16, modular, straight

Appliance connector M20, modular, angled

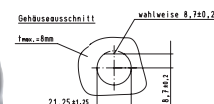
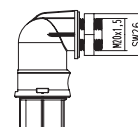
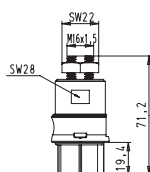
Female connector

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.



Mains 250 V
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 250/400 V
1, 2, ground

green

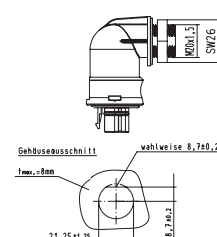
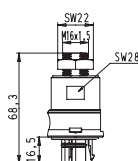
96.031.2155.7

96.031.6155.7

96.033.2055.7

96.033.6055.7

Male connector



Mains 250 V
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 250/400 V
1, 2, ground

green

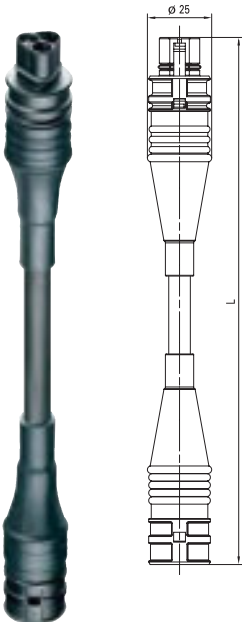
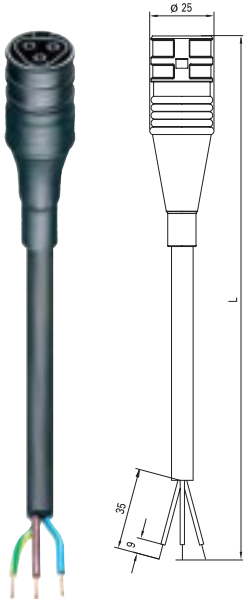
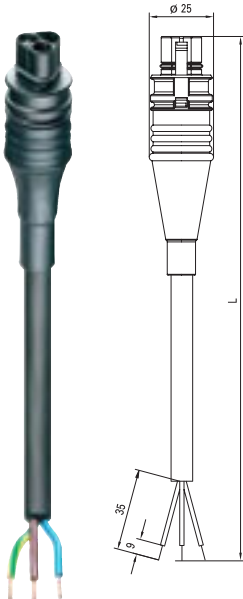
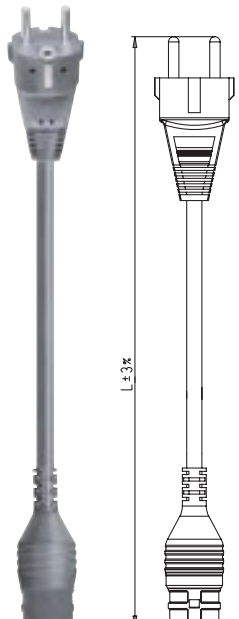
96.032.2155.7

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 3G1,5		H05VV-F 3G1,5		H05VV-F 3G1,5		H05VV-F 3G1,5 mm ²	
		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			
Cable assemblies  N = bl L = br ground = gn/yl Cable¹⁾ and shrinkage tube in black									
	Length ²⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack		
Mains 250 V L, N, ground		Black insulation							
	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			
	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							
	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				
								All gray	
								99.706.0000.7	1.5 m
								99.707.0000.7	2.5 m
Mains 250/400 V 1, 2, ground		Green insulation							
	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			
	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			

Extension cable

Connection cable

Connection cable

Mains connection cable *Mains, 3 pole*

H07RN-F 3G1,5

Female – Male
with locking device

H07RN-F 3G1,5

Female – Free end
with ultrasonically welded wire ends

H07RN-F 3G1,5

Male – Free end
with ultrasonically welded wire ends and locking device

H07RN-F 3G1,5

Safety plug
with splash guard
RST female connector

Cable strip length: 35 mm
Insulation strip length: 9 mm

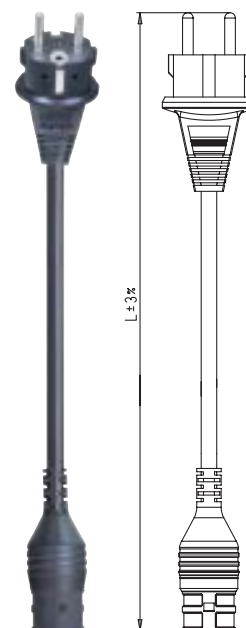
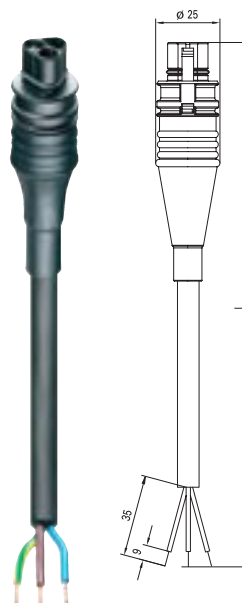
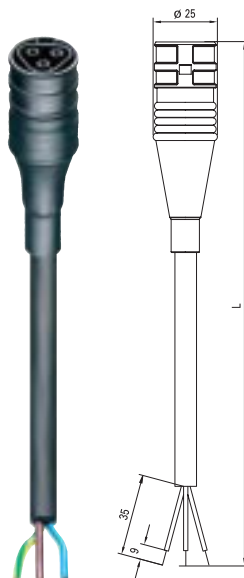
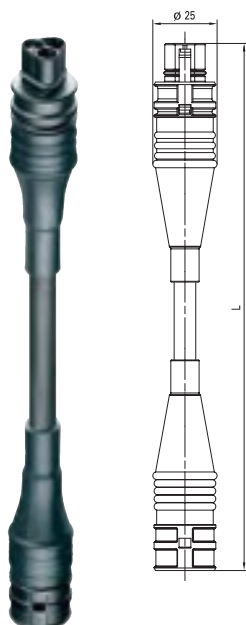
Cable strip length: 35 mm
Insulation strip length: 9 mm

Cable assemblies



N = bl
L = br
ground = gn/yl

Cable¹⁾ and shrinkage tube in black

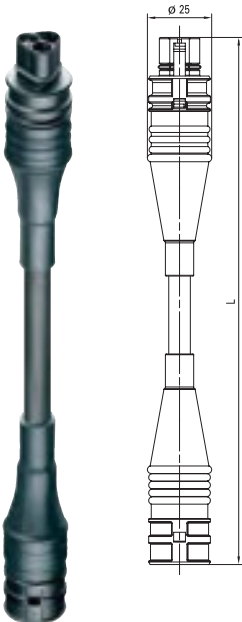
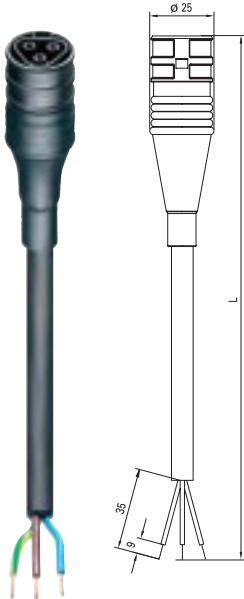
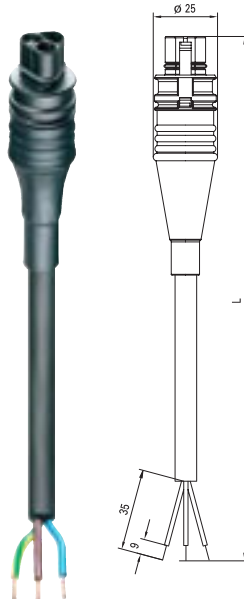


	Length ²⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack		
Mains 250 V L, N, ground	1.0 m 2.0 m 3.0 m 4.0 m 5.0 m 6.0 m 7.0 m 8.0 m	Black insulation 96.232.1030.1 96.232.2030.1 96.232.3030.1 96.232.4030.1 96.232.5030.1 96.232.6030.1 96.232.7030.1 96.232.8030.1		96.232.1033.1 96.232.2033.1 96.232.3033.1 96.232.4033.1 96.232.5033.1 96.232.6033.1 96.232.7033.1 96.232.8033.1		96.232.1034.1 96.232.2034.1 96.232.3034.1 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 99.705.0000.7	1.5 m 2.5 m
 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	Gray insulation 96.232.1030.0 96.232.2030.0 96.232.3030.0 96.232.4030.0 96.232.5030.0 96.232.6030.0 96.232.7030.0 96.232.8030.0		96.232.1033.0 96.232.2033.0 96.232.3033.0 96.232.4033.0 96.232.5033.0 96.232.6033.0 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, 2, ground	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			
 Female									
 Male									

¹⁾ Other cables available on request

²⁾ Other lengths available on request

Cable assemblies, 2.5 mm²

Extension cable			Connection cable		Connection cable	
H05VV-F 3G2,5 Female – Male with locking device			H05VV-F 3G2,5 Female – Free end with ultrasonically welded wire ends		H05VV-F 3G2,5 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  N = bl L = br ground = gn/yl Cable¹⁾ and shrinkage tube in black						
						
	Length ²⁾	Part No. Std. Pack	Part No. Std. Pack	Part No. Std. Pack		
Mains 250 V L, N, ground		Black insulation				
	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		
	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		
		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 1, 2, ground		Green insulation				
	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		
	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		

¹⁾ Other cables available on request

²⁾ Other lengths available on request

Extension cable

Connection cable

Connection cable

H07RN-F 3G2,5

Female – Male
with locking device

H07RN-F 3G2,5

Female – Free end
with ultrasonically welded wire ends

H07RN-F 3G2,5

Male – Free end
with ultrasonically welded wire ends and locking device

Cable strip length: 35 mm
Insulation strip length: 9 mm

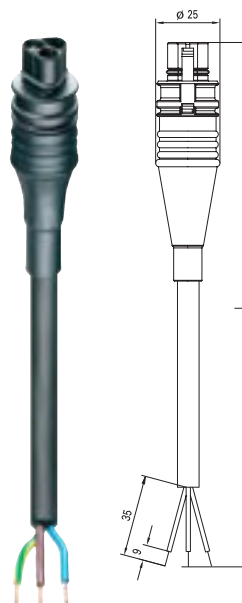
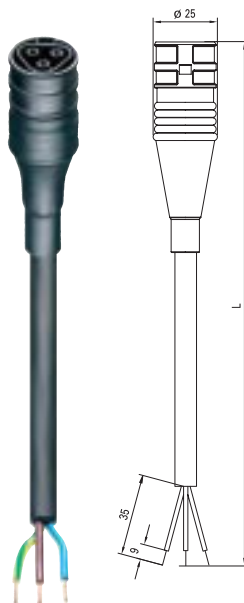
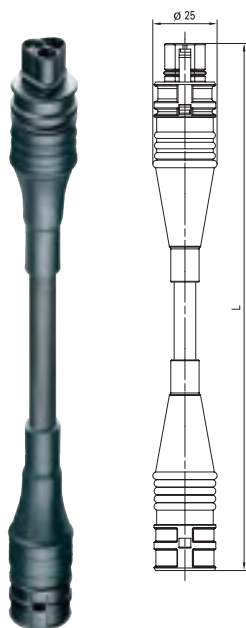
Cable strip length: 35 mm
Insulation strip length: 9 mm

Cable assemblies



N = bl
L = br
ground = gn/yl

Cable¹⁾ and shrinkage tube in black



	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	96.233.1030.1		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	
Female							
Male		Gray insulation					
	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		Green insulation					
1, 2, ground	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	
Female							
Male							

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		
Color	Part No.	Std. Pack	Part No.	Std. Pack
Mains 250 V L, N, ground	gray black	96.030.0153.0 96.030.0153.1	96.030.0253.0 96.030.0253.1	
Mains 250/400 V 1, 2, ground	green	96.030.0155.7	96.030.0255.7	

RST compact distributor

RST multi distributor

Distribution box

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

- 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
- with mounting option

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 **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. 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