

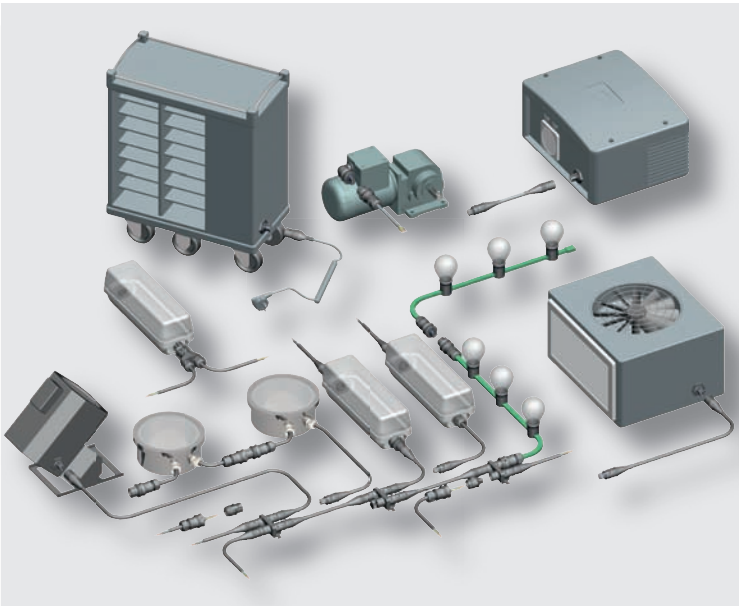
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RST 20i4

Mains, 4 pole

Application example



General

The four pole connector is based on the 5 pole variation with one pole left empty.

These connectors have been designed for connecting electrical drives.


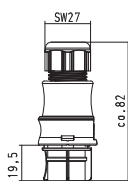



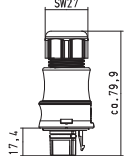


They are mechanically coded. This means that only associated pairs of male and female can be connected with the correct polarity. This ensures a clear separation from the connectors of the other product series.

Coding

				Application	Mains 250/400V	
				Mechanical coding	1, 2, 3, ground	
Name	Description	Connection style	Strain relief housing	Connection points per pole	gray	black
Connectors	1 x cable entry	Screw technology Crimp technology	yes	1		
	2 x cable entry	Screw technology	yes	1		
Distribution units	RST compact distributor/ multi distributor				available on request	available on request
	Individual distribution box				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					

Connectors

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

				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.		With crimp contacts for fine-stranded and stranded cables of 0.75 – 4.0 mm ² . Unassembled with cable gland ¹⁾ and locking device. Crimp contacts separately available under "Accessories" 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 250/400V		6 – 10 mm	gray black	96.041.4053.0 96.041.4053.1		96.141.0053.0 96.141.0053.1	
		10 – 14 mm	gray black	96.041.4153.0 96.041.4153.1		96.141.0153.0 96.141.0153.1	
		13 – 18 mm	gray black				
						Available in 4th quarter 2007	
Application	Coding	Cable diameter	Color	Part No.	Std. Pack	Part No.	Std. Pack
Male connector				  			
Mains 250/400V		6 – 10 mm	gray black	96.042.4053.0 96.042.4053.1		96.142.0053.0 96.142.0053.1	
		10 – 14 mm	gray black	96.042.4153.0 96.042.4153.1		96.142.0153.0 96.142.0153.1	
		13 – 18 mm	gray black				
						Available in 4th quarter 2007	
				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

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



gray
black
gray
black
gray
black

96.041.4553.0
96.041.4553.1

With crimp contacts for fine-stranded and stranded cables of 0.75 – 4.0 mm². Unassembled with cable gland¹⁾ and locking device. Crimp contacts separately available under "Accessories"

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

Part No. Std. Pack

96.141.0553.0
96.141.0553.1

Available in 4th quarter 2007

Part No. Std. Pack



gray
black
gray
black
gray
black

96.042.4553.0
96.042.4553.1

96.142.0553.0
96.142.0553.1

Available in 4th quarter 2007

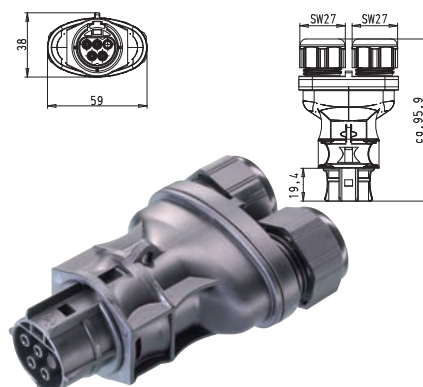
Splitter connector

With screw connection²⁾ for rigid, fine-stranded and stranded cables of 0.75 – 1.5 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.



96.041.4253.0
96.041.4253.1
96.041.4353.0
96.041.4353.1

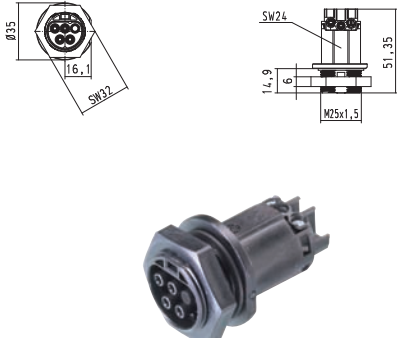


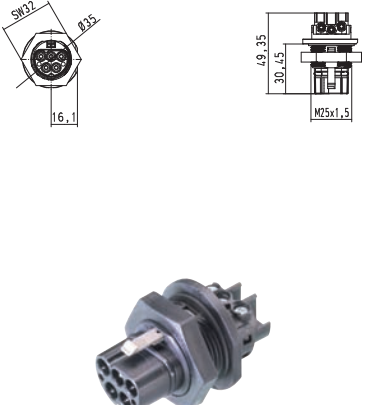


¹⁾ Cable gland with bend protection available on request

²⁾ With wire protection available on request

Appliance connectors

Appliance connector M 25, standard




Appliance connector M 20, modular, straight

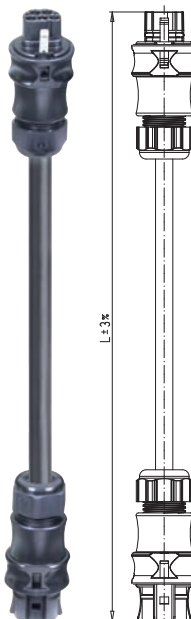
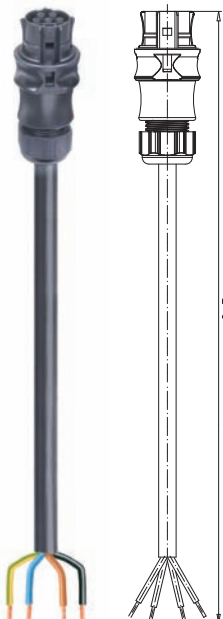
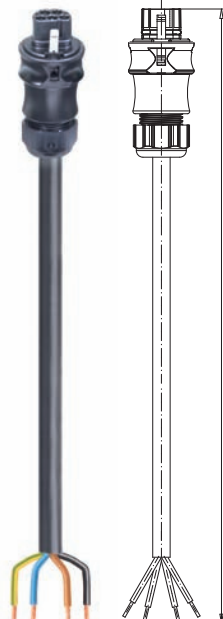



		<p>With screw connections for rigid, fine-stranded and stranded cables of 0.75 – 4.0 mm². 1 connection point per pole. With locking device. Fixing in position guaranteed by flattening the thread. With M25x1.5 thread, internal cable gland.</p> <p>See "Technical Data" for insulation strip lengths.</p>		<p>With crimp 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. Crimp contacts separately available under "Accessories".</p> <p>See "Technical Data" for insulation strip lengths.</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> <p>See "Technical Data" for insulation strip lengths.</p>		<p>With crimp 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. Crimp contacts separately available under "Accessories"</p> <p>See "Technical Data" for insulation strip lengths.</p>	
Application	Color	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Female connector									
		Mains 250/400 V  1, 2, 3, ground		96.041.5053.0 96.041.5053.1		96.141.1053.0 96.141.1053.1		96.041.6053.0 96.041.6053.1	
				Available in 4th quarter 2007				Available in 4th quarter 2007	
Application	Color	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Male connector									
		Mains 250/400 V  1, 2, 3, ground		96.042.5053.0 96.042.5053.1		96.142.1053.0 96.142.1053.1		96.042.6053.0 96.042.6053.1	
				Available in 4th quarter 2007				Available in 4th quarter 2007	

Appliance connector M 20, modular, angled

		Appliance connector M 16 / modular, angled		Appliance connector M 20 / modular, angled	
		<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 M 16x1.5 thread, internal cable gland.</p> <p>See "Technical Data" for insulation strip lengths.</p>	<p>With crimp 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 M 16x1.5 thread, internal cable gland. Crimp contacts separately available under "Accessories"</p> <p>See "Technical Data" for insulation strip lengths.</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 M 20x1.5 thread, internal cable gland.</p> <p>See "Technical Data" for insulation strip lengths.</p>	<p>With crimp 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 M 20x1.5 thread, internal cable gland. Crimp contacts separately available under "Accessories"</p> <p>See "Technical Data" for insulation strip lengths.</p>
Application	Color	Part No.	Std. Pack	Part No.	Std. Pack
Female connector					
Mains 250/400V 1, 2, 3, ground	gray black	96.041.6153.0 96.041.6153.1		96.141.2153.0 96.141.2153.1	
			Available in 4th quarter 2007		Available in 4th quarter 2007
Application	Color	Part No.	Std. Pack	Part No.	Std. Pack
Male connector					
Mains 250/400V 1, 2, 3, ground	gray black	96.042.6153.0 96.042.6153.1		96.142.2153.0 96.142.2153.1	
			Available in 4th quarter 2007		Available in 4th quarter 2007

Cable assemblies, 1.5 mm²


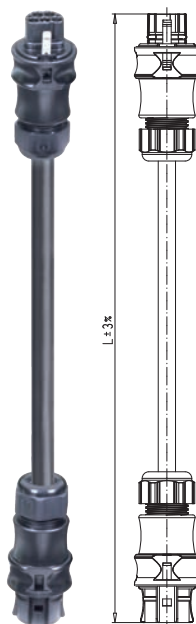
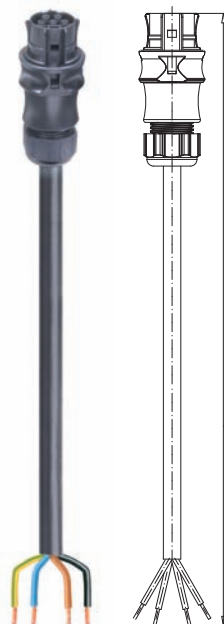
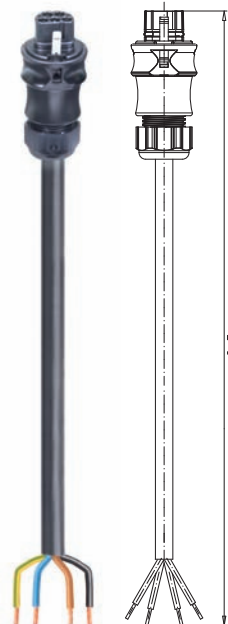


			Extension cable		Connection cable		Connection cable		
			H05VV-F 4x1.5		H05VV-F 4x1.5		H05VV-F 4x1.5		
			Female – Male with locking device		Female – Free end with ultrasonically welded wire ends		Male – Free end with ultrasonically welded wire ends and locking device		
					Cable strip length: 35 mm Insulation strip length 9 mm		Cable strip length: 35 mm Insulation strip length 9 mm		
Cable assemblies									
<div></div> <div>ground = gn/yl 3 = bl 1 = br 2 = bk</div>									
Cable ¹⁾ in black Connector in black Screw technology									
Application	Coding	Color	Length ²⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Mains 250/400V	1, 2, 3, ground	black	1.0 m	96.442.1000.1		96.442.1003.1		96.442.1004.1	
			2.0 m	96.442.2000.1		96.442.2003.1		96.442.2004.1	
			3.0 m	96.442.3000.1		96.442.3003.1		96.442.3004.1	
			4.0 m	96.442.4000.1		96.442.4003.1		96.442.4004.1	
			5.0 m	96.442.5000.1		96.442.5003.1		96.442.5004.1	
			6.0 m	96.442.6000.1		96.442.6003.1		96.442.6004.1	
			7.0 m	96.442.7000.1		96.442.7003.1		96.442.7004.1	
			8.0 m	96.442.8000.1		96.442.8003.1		96.442.8004.1	
		Cable: black							
	Female								
	1, 2, 3, ground								
									
	Male								

				Extension cable		Connection cable		Connection cable	
				H07RN-F 4x1.5		H07RN-F 4x1.5		H07RN-F 4x1,5	
				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 assemblies									
 ground = gn/yl 3 = bl 1 = br 2 = bk									
Cable ¹⁾ in black Connector in black Screw technology									
Application	Coding	Color	Length ²⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Mains 250/400 V	1, 2, 3, ground	black	1.0 m	96.442.1030.1		96.442.1033.1		96.442.1034.1	
			2.0 m	96.442.2030.1		96.442.2033.1		96.442.2034.1	
			3.0 m	96.442.3030.1		96.442.3033.1		96.442.3034.1	
			4.0 m	96.442.4030.1		96.442.4033.1		96.442.4034.1	
			5.0 m	96.442.5030.1		96.442.5033.1		96.442.5034.1	
			6.0 m	96.442.6030.1		96.442.6033.1		96.442.6034.1	
			7.0 m	96.442.7030.1		96.442.7033.1		96.442.7034.1	
			8.0 m	96.442.8030.1		96.442.8033.1		96.442.8034.1	
		Cable: black							
	Female								
	1, 2, 3, ground								
									
	Male								

¹⁾ Other cables available on request

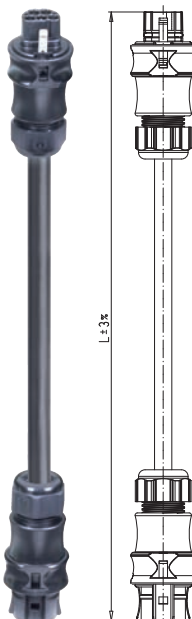
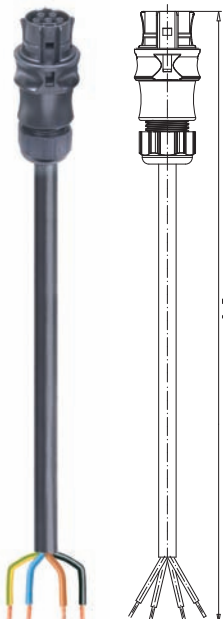
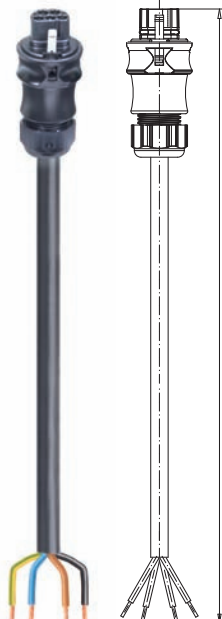


²⁾ Other lengths available on request

Cable assemblies, 2.5 mm²

			Extension cable		Connection cable		Connection cable		
			H05VV-F 4x2.5		H05VV-F 4x2.5		H05VV-F 4x2.5		
			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 assemblies									
<div><p>ground = gn/yl 3 = bl 1 = br 2 = bk</p></div> <p>Cable¹⁾ in black Connector in black Screw technology</p>									
Application	Coding	Color	Length ²⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Mains 250/400V	1, 2, 3, ground	black	1.0 m	96.443.1000.1		96.443.1003.1		96.443.1004.1	
			2.0 m	96.443.2000.1		96.443.2003.1		96.443.2004.1	
			3.0 m	96.443.3000.1		96.443.3003.1		96.443.3004.1	
			4.0 m	96.443.4000.1		96.443.4003.1		96.443.4004.1	
			5.0 m	96.443.5000.1		96.443.5003.1		96.443.5004.1	
			6.0 m	96.443.6000.1		96.443.6003.1		96.443.6004.1	
			7.0 m	96.443.7000.1		96.443.7003.1		96.443.7004.1	
			8.0 m	96.443.8000.1		96.443.8003.1		96.443.8004.1	
		 Female	Cable: black						
		1, 2, 3, ground							
		 Male							

¹⁾ Other cables available on request

²⁾ Other lengths available on request

			Extension cable		Connection cable		Connection cable		
			H07RN-F 4x2.5		H07RN-F 4x2.5		H07RN-F 4x2.5		
			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 assemblies									
Cable ¹⁾ in black Connector in black Screw technology									
Application	Coding	Color	Length ²⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Mains 250/400 V	1, 2, 3, ground	black	1.0 m	96.443.1030.1		96.443.1033.1		96.443.1034.1	
			2.0 m	96.443.2030.1		96.443.2033.1		96.443.2034.1	
			3.0 m	96.443.3030.1		96.443.3033.1		96.443.3034.1	
			4.0 m	96.443.4030.1		96.443.4033.1		96.443.4034.1	
			5.0 m	96.443.5030.1		96.443.5033.1		96.443.5034.1	
			6.0 m	96.443.6030.1		96.443.6033.1		96.443.6034.1	
			7.0 m	96.443.7030.1		96.443.7033.1		96.443.7034.1	
			8.0 m	96.443.8030.1		96.443.8033.1		96.443.8034.1	
		Cable: black							
	Female								
	1, 2, 3, ground								
									
	Male								

¹⁾ Other cables available on request
²⁾ Other lengths available on request

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