

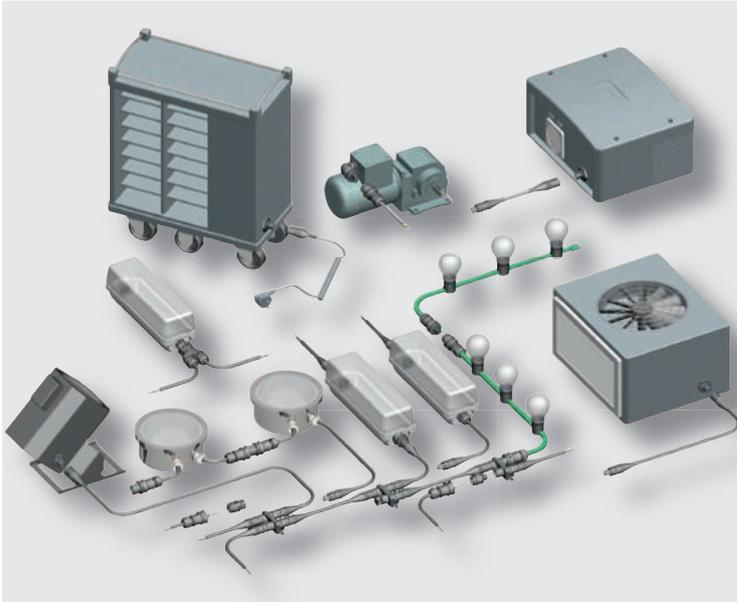
# gesis<sup>®</sup>



# RST 25i3

Single-phase supply with ENS

## Application example



## General

The three pole system is designed for a current of max. 25 A and is therefore predestined for applications in solar technology (AC side). Special collective distributors are to bundle the electrical power of up to 6 inverters and are thus completing the system.

These connectors have their own mechanical coding.

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.

RST 25i3

## Coding

					Application	Single-phase supply with 25 A (ENS)
					Mechanical coding	L, N, ground 
Name	Description	Connection style	Strain relief housing	Connection points per pole	concrete gray	
<b>Connectors</b>	1 x cable entry	Screw technology Spring clamp techn.	yes	1		
	Collective distributor RST RAN Solar					
<b>Distribution units</b>	Collective box RST Solar					
	Connection cable Male – Free end	pre- assembled	pre- assembled	pre- assembled		
Connection cable Female – Free end						
Extension cable Male – Female						

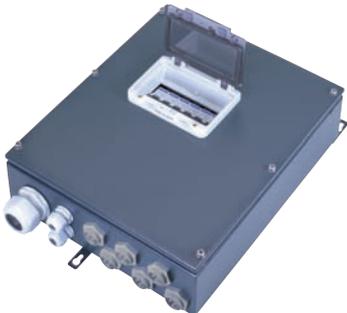
# Components 25A

			Connectors		Connectors		M25 appliance connector	
			Screw technology for cables with a diameter of 10 – 14 mm. Screw technology for solid and fine-stranded wires up to 4.0 mm <sup>2</sup>		Screw technology for cables with a diameter of 13 – 18 mm. Screw technology for solid and fine-stranded wires up to 4.0 mm <sup>2</sup> 1)		Screw technology for solid and fine-stranded wires up to 6.0 mm <sup>2</sup>	
Application	Coding	Color	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
<b>Female connector</b>								
Single-phase supply with 25A (ENS)		concrete gray/black	96.031.4154.3		96.031.4554.3		96.031.5054.3	
Application	Coding	Color	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
<b>Male connector</b>								
Single-phase supply with 25A (ENS)		concrete gray/black	96.032.4154.3		96.032.4554.3		96.032.5054.3	

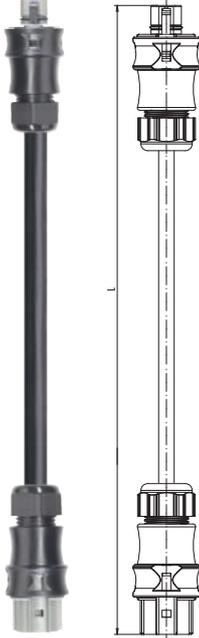
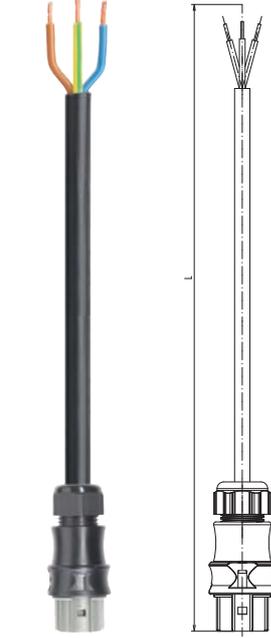
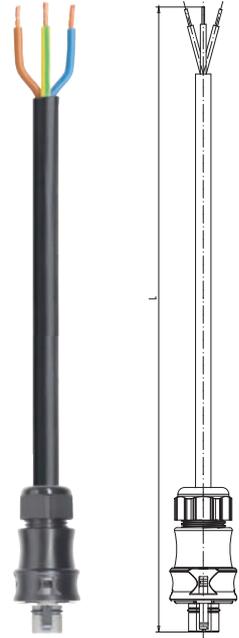
1) Larger cross sections available on request

**Collective distributor  
RST RAN Solar**

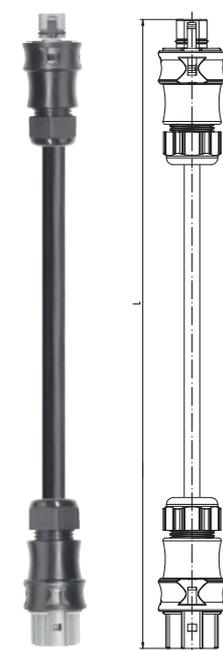
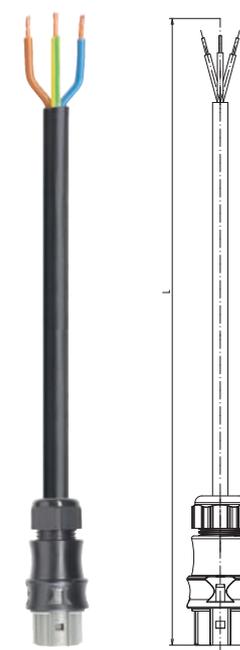
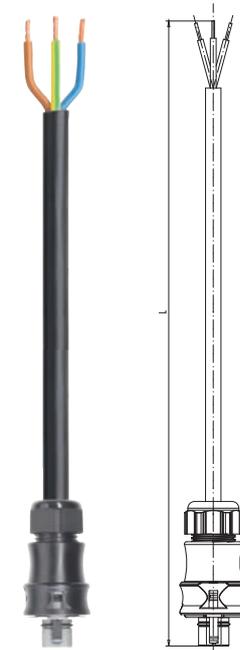
**Collective distribution box  
RST Solar**

	<p>6 x inputs RST25i3 / gray coding 1 x cable gland M40 2 x cable gland M20 5 x connector clamps 35 mm<sup>2</sup> 6 x circuit breakers B25</p> <p>Dimensions in mm L x W x H 350 x 300 x 100 mm</p>	<p>3 x inputs RST25i3 / gray coding 1 x cable gland M32 2 x cable gland M20 5 x connector clamps 10 mm<sup>2</sup></p> <p>Dimensions in mm L x W x H 180 x 180 x 90 mm</p>	
	Part No.      Std. Pack	Part No.      Std. Pack	
			
Sheet metal/ powder-coated	99.512.0000.7		
Plastic		99.502.0000.7	
	Part No.      Std. Pack		
	<p>Customized solutions available on request</p> 		
	<p>Examples:</p> <ul style="list-style-type: none"> <li>- Stainless steel (picture)</li> <li>- C 25 circuit breaker</li> <li>- with overvoltage protection</li> <li>- pre-assembled U-rail</li> </ul>		

# Cable assemblies, 4.0 mm<sup>2</sup>

			Extension cable		Connection cable		Connection cable		
			H05VV-F 3x4.0 <sup>1)</sup> Female – Male with locking device		H05VV-F 3x4.0 <sup>1)</sup> Female – Free end with ultrasonically welded wire ends		H05VV-F 3x4.0 <sup>1)</sup> Male – Free end with ultrasonically welded wire ends and locking device		
					Cable strip length: 35 mm Insulation strip length: 9 mm Cable diameter H05VV-F <sup>3)</sup> : 10.5 – 13.1 mm		Cable strip length: 35 mm Insulation strip length: 9 mm Cable diameter H05VV-F <sup>3)</sup> : 10.5 – 13.1 mm		
<b>Cable assemblies</b>   ground = gn/yl N = bl L = br  The cable colors have been adapted to the new European standard HD 208 S2. The assignment corresponds to international recommendations.									
Application	Coding	Color	Length <sup>2)</sup>	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Single-phase supply with 25 A (ENS)	 Female  Male	concrete gray/black  Cable: black	1.0 m	96.834.1000.3		96.834.1003.3		96.834.1004.3	
			1.5 m	96.834.1500.3		96.834.1503.3		96.834.1504.3	
			2.0 m	96.834.2000.3		96.834.2003.3		96.834.2004.3	
			2.5 m	96.834.2500.3		96.834.2503.3		96.834.2504.3	
			3.0 m	96.834.3000.3		96.834.3003.3		96.834.3004.3	
			3.5 m	96.834.3500.3		96.834.3503.3		96.834.3504.3	
			4.0 m	96.834.4000.3		96.834.4003.3		96.834.4004.3	

<sup>1)</sup> Other cables available on request  
<sup>2)</sup> Other lengths available on request  
<sup>3)</sup> According to VDE 0281/T5 and VDE 0288/T4

			Extension cable		Connection cable		Connection cable		
			<b>H07RN-F 3x4.0<sup>1)</sup></b>		<b>H07RN-F 3x4.0<sup>1)</sup></b>		<b>H07RN-F 3x4.0<sup>1)</sup></b>		
			<b>Female – Male</b> with locking device		<b>Female – Free end</b> with ultrasonically welded wire ends		<b>Male – Free end</b> with ultrasonically welded wire ends and locking device		
					Cable strip length: 35 mm Insulation strip length: 9 mm Cable diameter H07RN-F <sup>3)</sup> : 10.5 – 13.1 mm		Cable strip length: 35 mm Insulation strip length: 9 mm Cable diameter H07RN-F <sup>3)</sup> : 10.5 – 13.1 mm		
<b>Cable assemblies</b>   ground = gn/yl N = bl L = br  The cable colors have been adapted to the new European standard HD 208 S2. The assignment corresponds to international recommendations.									
Application	Coding	Color	Length <sup>2)</sup>	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Single-phase supply with 25A (ENS)	L, N, ground	concrete gray/black	1.0 m	96.834.1030.3		96.834.1033.3		96.834.1034.3	
			1.5 m	96.834.1530.3		96.834.1533.3		96.834.1534.3	
			2.0 m	96.834.2030.3		96.834.2033.3		96.834.2034.3	
			2.5 m	96.834.2530.3		96.834.2533.3		96.834.2534.3	
			3.0 m	96.834.3030.3		96.834.3033.3		96.834.3034.3	
			3.5 m	96.834.3530.3		96.834.3533.3		96.834.3534.3	
			4.0 m	96.834.4030.3		96.834.4033.3		96.834.4034.3	
		Female	Cable: black						
		L, N, ground							
		Male							

<sup>1)</sup> Other cables available on request  
<sup>2)</sup> Other lengths available on request  
<sup>3)</sup> According to VDE 0281/T5 and VDE 0288/T4