

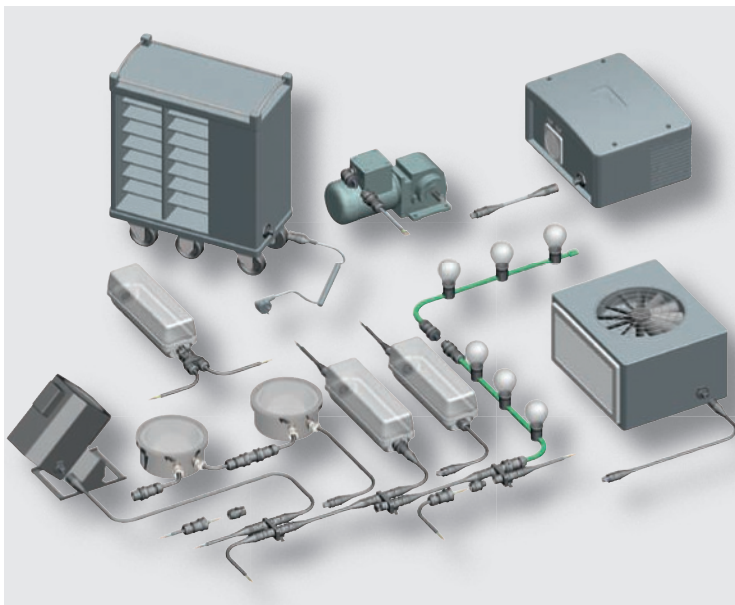
gesis[®]



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.

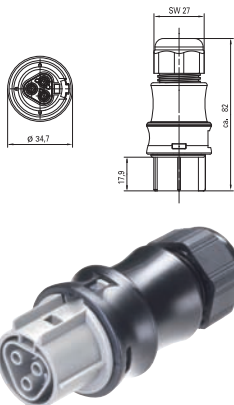
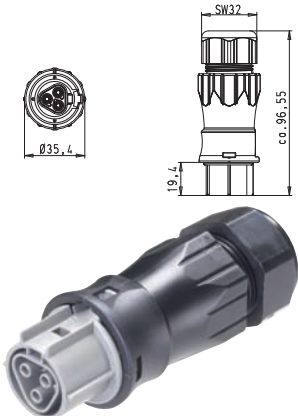
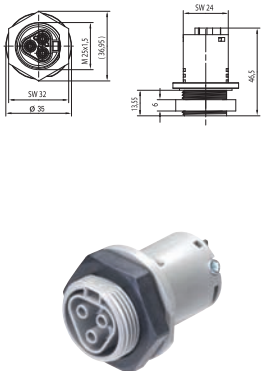

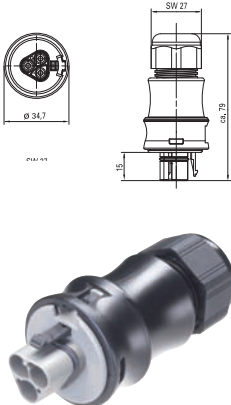
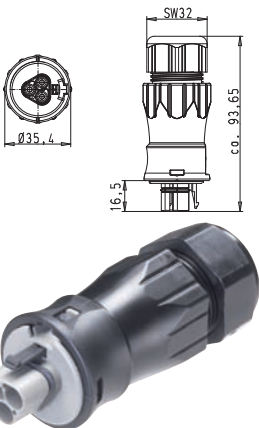
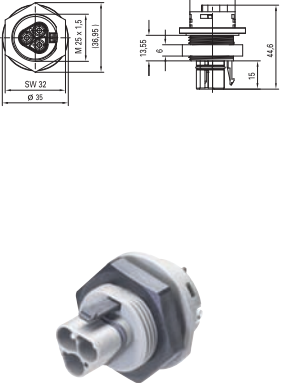

This means that only associated pairs of male and female can be connected with the correct polarity. This ensures a clear separation from the connectors of the other product series.

RST 25i3

Coding

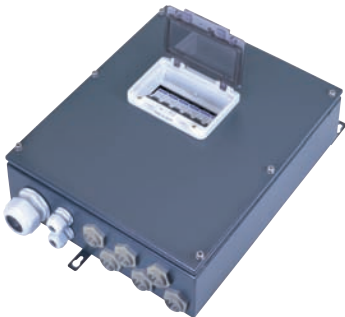

| | | | | | Application |
|--------------------|---|---|-----------------------|----------------------------|---|
| | | | | | Single-phase supply with 25 A (ENS) |
| | | | | | L, N, ground |
| | | | | |  |
| Name | Description | Connection style | Strain relief housing | Connection points per pole |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

Components 25A

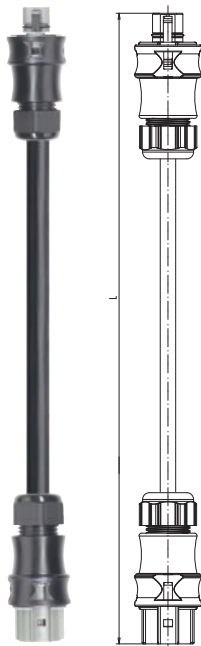
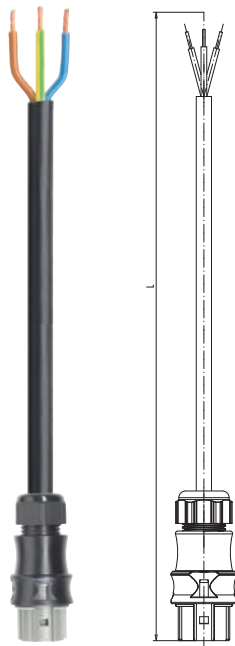
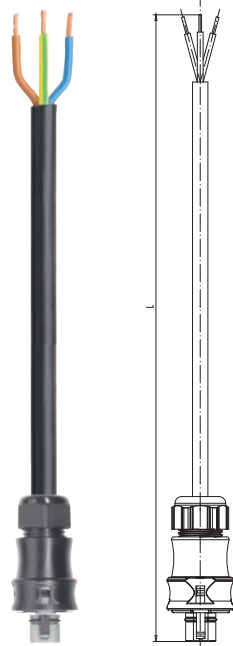
| | | | Connectors | | Connectors | | M25 appliance connector | |
|---|---|-------------------------|---|-----------|--|-----------|---|-----------|
| | | | Screw technology for cables with a diameter of 10 – 14 mm. Screw technology for solid and fine-stranded wires up to 4.0 mm ² | | Screw technology for cables with a diameter of 13 – 18 mm. Screw technology for solid and fine-stranded wires up to 4.0 mm ² 1) | | Screw technology for solid and fine-stranded wires up to 6.0 mm ² | |
| Application | Coding | Color | Part No. | Std. Pack | Part No. | Std. Pack | Part No. | Std. Pack |
| Female connector | | |  | |  | |  | |
| Single-phase supply with 25A (ENS) |  L, N, ground | 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 |
| Male connector | | |  | |  | |  | |
| Single-phase supply with 25A (ENS) |  L, N, ground | 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 mm² 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 mm²</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"> – Stainless steel (picture) – C 25 circuit breaker – with overvoltage protection – pre-assembled U-rail | | |
| | | | |

Cable assemblies, 4.0 mm²

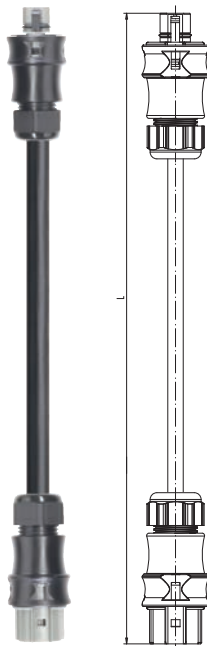
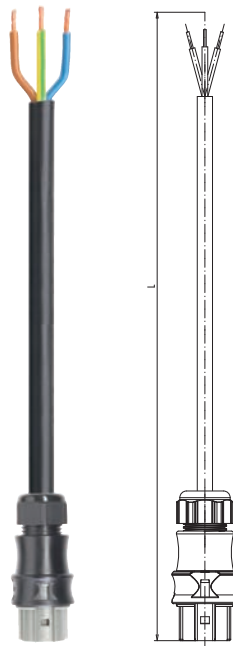
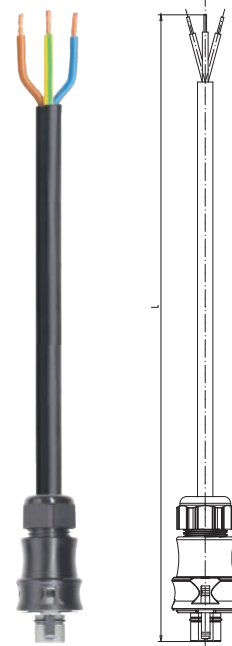



| | | | Extension cable | | Connection cable | | Connection cable | | |
|------------------------------------|--------------|---------------------|--|---------------|---|---------------|---|---------------|-----------|
| | | | H05VV-F 3x4.0 ¹⁾ | | H05VV-F 3x4.0 ¹⁾ | | H05VV-F 3x4.0 ¹⁾ | | |
| | | | Female – 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 diameter H05VV-F ³⁾ : 10.5 – 13.1 mm | | Cable strip length: 35 mm Insulation strip length: 9 mm Cable diameter H05VV-F ³⁾ : 10.5 – 13.1 mm | | |
| Cable assemblies | | |  | |  | |  | | |
| | | | | | | | | | |
| Application | Coding | Color | Length ²⁾ | 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 | 96.834.1000.3 | | 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 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |



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.

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

| | | | | Extension cable | | Connection cable | | Connection cable | | |
|---|---|---------------------|----------------------|--|-----------|---|-----------|---|-----------|--|
| | | | | H07RN-F 3x4.0 ¹⁾ | | H07RN-F 3x4.0 ¹⁾ | | H07RN-F 3x4.0 ¹⁾ | | |
| | | | | 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 diameter H07RN-F ³⁾ : 10.5 – 13.1 mm | | Cable strip length: 35 mm Insulation strip length: 9 mm Cable diameter H07RN-F ³⁾ : 10.5 – 13.1 mm | | |
| Cable assemblies | | | |  | |  | |  | | |
|  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 ²⁾ | 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 | | |
| |  | Cable: black | | | | | | | | |
| | | | | | | | | | | |
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| | L, N, ground | Cable: black | | | | | | | | |
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| |  | Cable: black | | | | | | | | |
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¹⁾ Other cables available on request
²⁾ Other lengths available on request
³⁾ According to VDE 0281/T5 and VDE 0288/T4