



- Different voltage ranges according to EN 60309
- Large temperature range of use
- High mechanical impact and shock resistance
- Perfect protection against penetration of liquids and dusts
- 3D data for download on the website
- Variants for use in USA/Canada available on request

## MY R. STAHL 8570N



The R. STAHL 8570/11 series SolConeX sockets for Zone 1/21 in a 3-, 4- and 5-pole version have full AC-3 switching capacity up to 16 A. The high degree of protection IP66 ensures maximum protection against the ingress of dust and water in any application position. Self-cleaning lamellar contacts provide optimum contact and the plugs can be inserted and removed in the zero position quickly and easily. The load disconnect switch, with mechanical locking device and a handle that can be locked in the 0 or I position, is an additional safety feature.

Further product options available:

- Further voltage ranges according to EN 60309
- Silicone-free versions
- Ex e or Ex i auxiliary contacts for control and signalling purposes – can also be retrofitted
- With NAMUR resistor circuitry
- External earth connection
- Customer-specific label plates
- Plates also in stainless steel
- Additional entries – also in metal

|                 | IECEX / ATEX |   |   |    |    |    |
|-----------------|--------------|---|---|----|----|----|
| Zone            | 0            | 1 | 2 | 20 | 21 | 22 |
| Installation in |              | • | • |    | •  | •  |

Selection Table

| Product description       |                          |                              |                              |                              |             |                 |                           |          |         |
|---------------------------|--------------------------|------------------------------|------------------------------|------------------------------|-------------|-----------------|---------------------------|----------|---------|
| 16 A wall-mounting socket |                          |                              |                              |                              |             |                 |                           |          |         |
| Figure                    | Detailed number of poles | Coding (clock hour position) | Rated operational voltage AC | Rated operational voltage DC | Colour code | Frequency range | Product Type              | Art. No. | Weight  |
|                           | 1 P + N + PE             | 4                            | 100 ... 130 V AC             | –                            | Yellow      | 50 / 60 Hz      | 8570/11-304-S-01-0-00-XXX | 273933   | 1.12 kg |
|                           |                          | 5                            | 277 V AC                     | –                            | Light grey  | 60 Hz           | 8570/11-305-S-01-0-00-XXX | 273934   | 1.12 kg |

## Selection Table

| Product description |                          | 16 A wall-mounting socket    |                              |                              |             |                 |                           |          |         |
|---------------------|--------------------------|------------------------------|------------------------------|------------------------------|-------------|-----------------|---------------------------|----------|---------|
| Figure              | Detailed number of poles | Coding (clock hour position) | Rated operational voltage AC | Rated operational voltage DC | Colour code | Frequency range | Product Type              | Art. No. | Weight  |
|                     | 2 P + PE                 | 2                            | > 50 V AC                    | –                            | Green       | > 300 – 500 Hz  | 8570/11-302-S-01-0-00-XXX | 273931   | 1.12 kg |
|                     |                          | 3                            | > 50 ... 110 V DC            | 50 ... 110 V                 | Light grey  | –               | 8570/11-303-S-01-0-00-XXX | 273932   | 1.12 kg |
|                     |                          | 6                            | 200 ... 250 V AC             | –                            | Blue        | 50 / 60 Hz      | 8570/11-306-S-01-0-00-XXX | 273935   | 1.12 kg |
|                     |                          | 7                            | 480 ... 500 V AC             | –                            | Black       | 50 / 60 Hz      | 8570/11-307-S-01-0-00-XXX | 273936   | 1.12 kg |
|                     |                          | 9                            | 380 ... 415 V AC             | –                            | Red         | 50 / 60 Hz      | 8570/11-309-S-01-0-00-XXX | 273937   | 1.12 kg |
|                     | 3 P + N + PE             | 3                            | 220/380 V AC                 | –                            | Red         | 50 Hz           | 8570/11-503-S-01-0-00-XXX | 273850   | 1.45 kg |
|                     |                          | 4                            | 57/100 ... 75/130 V AC       | –                            | Yellow      | 50 / 60 Hz      | 8570/11-504-S-01-0-00-XXX | 273839   | 1.45 kg |
|                     |                          | 5                            | 347/600 ... 400/690 V AC     | –                            | Black       | 50 / 60 Hz      | 8570/11-505-S-01-0-00-XXX | 273897   | 1.45 kg |
|                     |                          | 6                            | 200/346 ... 240/415 V AC     | –                            | Red         | 50 / 60 Hz      | 8570/11-506-S-01-0-00-XXX | 273898   | 1.45 kg |
|                     |                          | 7                            | 277/480 ... 288/500 V AC     | –                            | Black       | 50 / 60 Hz      | 8570/11-507-S-01-0-00-XXX | 273899   | 1.45 kg |
|                     |                          | 9                            | 120/208 ... 144/250 V AC     | –                            | Blue        | 50 / 60 Hz      | 8570/11-509-S-01-0-00-XXX | 273900   | 1.45 kg |
|                     |                          | 11                           | 250/440 ... 265/460 V AC     | –                            | Red         | 60 Hz           | 8570/11-511-S-01-0-00-XXX | 273921   | 1.45 kg |
|                     | 3 P + PE                 | 2                            | > 50 V AC                    | –                            | Green       | > 300 – 500 Hz  | 8570/11-402-S-01-0-00-XXX | 273922   | 1.35 kg |
|                     |                          | 3                            | 380 V AC                     | –                            | Red         | 50 Hz           | 8570/11-403-S-01-0-00-XXX | 273923   | 1.35 kg |
|                     |                          | 4                            | 100 ... 130 V AC             | –                            | Yellow      | 50 / 60 Hz      | 8570/11-404-S-01-0-00-XXX | 273924   | 1.35 kg |
|                     |                          | 5                            | 600 ... 690 V AC             | –                            | Black       | 50 / 60 Hz      | 8570/11-405-S-01-0-00-XXX | 273925   | 1.35 kg |
|                     |                          | 6                            | 380 ... 415 V AC             | –                            | Red         | 50 / 60 Hz      | 8570/11-406-S-01-0-00-XXX | 273926   | 1.35 kg |
|                     |                          | 7                            | 480 ... 500 V AC             | –                            | Black       | 50 / 60 Hz      | 8570/11-407-S-01-0-00-XXX | 273927   | 1.35 kg |
|                     |                          | 9                            | 200 ... 250 V AC             | –                            | Blue        | 50 / 60 Hz      | 8570/11-409-S-01-0-00-XXX | 273928   | 1.35 kg |
|                     |                          | 10                           | > 50 V AC                    | –                            | Green       | 100 – 300 Hz    | 8570/11-410-S-01-0-00-XXX | 273929   | 1.35 kg |
|                     |                          | 11                           | 440 ... 460 V AC             | –                            | Red         | 60 Hz           | 8570/11-411-S-01-0-00-XXX | 273930   | 1.35 kg |

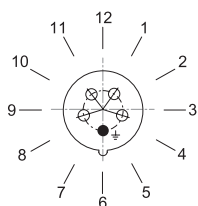
## Technical Data

| Variant                         | 16 A wall-mounting socket                                                                     |
|---------------------------------|-----------------------------------------------------------------------------------------------|
| Explosion Protection            |                                                                                               |
| Area of application             | European Union (ATEX)<br>IECEX                                                                |
| Area of application Note        | Other country markings available on request                                                   |
| IECEX gas explosion protection  | Ex db eb IIC T6 ... T5 Gb                                                                     |
| IECEX dust explosion protection | Ex tb IIIC T73 °C Db                                                                          |
| ATEX gas explosion protection   | II 2 G Ex db eb IIC T6 ... T5 Gb                                                              |
| ATEX dust explosion protection  | II 2 D Ex tb IIIC T73 °C Db                                                                   |
| Certificates                    | ATEX (PTB), Brazil (ULB), China (CQST), IECEX (PTB), India (PESO), Korea (KTL), Taiwan (ITRI) |
| Ship approval                   | DNV                                                                                           |

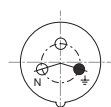
| Technical Data                           |                                                                                       |
|------------------------------------------|---------------------------------------------------------------------------------------|
| Variant                                  | 16 A wall-mounting socket                                                             |
| Explosion Protection                     |                                                                                       |
| Declaration of conformity                | ATEX (EUK), China (CCC)                                                               |
| Electrical Data                          |                                                                                       |
| Rated operational current                | 16 A                                                                                  |
| Rated operational current note           | Usable for up to 20 A depending on the connection cross-section                       |
| Utilisation category                     | AC-3: 690 V / 16 A<br>AC-3: 500 V / 20 A<br>DC-1: 110 V / 16 A<br>UL508: 600 V / 20 A |
| Switching capacity main contacts         | 4 kW: 200 to 250 V AC<br>7.5 kW: 380 to 500 V AC<br>11 kW: 600 to 690 V AC            |
| Notes                                    | The current must be reduced to 12 A for frequencies $\geq 100$ Hz                     |
| Device Specific Data                     |                                                                                       |
| Back-up fuse with thermal protection     | 35 A gG                                                                               |
| Back-up fuse without thermal protection  | 16 A gG                                                                               |
| Ambient Conditions                       |                                                                                       |
| Ambient temperature                      | -50 °C to +65 °C                                                                      |
| Notes                                    | For further information, see the operating instructions.                              |
| Mechanical Data                          |                                                                                       |
| Degree of protection IP (IEC 60529)      | IP66                                                                                  |
| IP degree of protection (IEC 60079)      | IP64                                                                                  |
| Enclosure material                       | Polyamide, Glass fibre reinforced                                                     |
| Silicone-free                            | No                                                                                    |
| Solid connection cross-section           | 1 x 1.5 mm <sup>2</sup> ... 2 x 6 mm <sup>2</sup>                                     |
| Finely stranded connection cross-section | 1 x 1.5 mm <sup>2</sup> ... 2 x 4 mm <sup>2</sup>                                     |
| Impact strength (IEC 60079)              | 7 J                                                                                   |
| Impact strength (IEC 62262)              | IK10                                                                                  |
| Lockable in                              | in 0- and I-position                                                                  |
| Interlock                                | Prevents the plug from being pulled under load                                        |
| Components                               |                                                                                       |
| Cable entry note                         | Entry 1: Lower left<br>Entry 2: Lower right                                           |
| Entry 1 model                            | 8161/7-M25-1707-LT                                                                    |
| Entry 1 type                             | Polyamide cable gland                                                                 |
| Entry 1                                  | M25 x 1.5                                                                             |
| Entry 1 clamping range                   | 7 – 17 mm                                                                             |
| Entry 1 clamping range                   | 7 – 17 mm                                                                             |
| Metal entry possible 1                   | No                                                                                    |
| Entry 2 model                            | 8290/3-M25                                                                            |
| Entry 2 type                             | Polyamide stopping plug                                                               |
| Entry 2                                  | M25 x 1.5                                                                             |
| Metal entry possible 2                   | No                                                                                    |

## Arrangement of earth contact sleeves

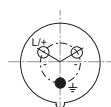
Position of clock hour position  
Example: 6 h position



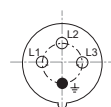
Arrangement of socket contacts and terminal markings



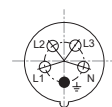
1 P + N + PE



2 P + PE



3 P + PE



3 P + N + PE

Arrangement of the socket contacts and terminal markings in the 6 h position  
(view from the front side of the sockets to the socket contacts)

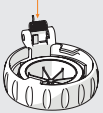
## Accessories

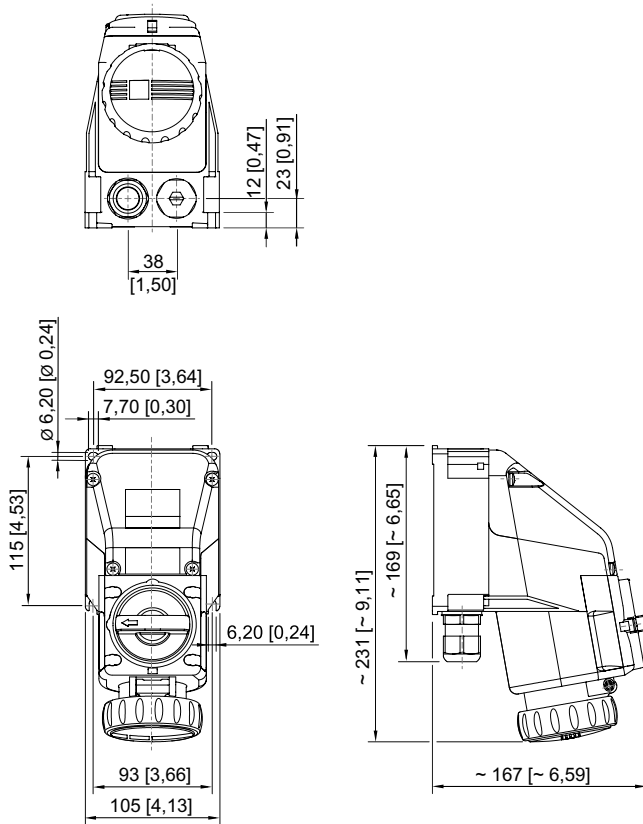
| Figure                                                              | Description                                                                                                            | Art. No. | Weight |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------|--------|
| Auxiliary contact optional, pluggable by the user, easy to retrofit |                                                                                                                        |          |        |
|                                                                     | 1 NC<br>Max. 500 V AC, max. 110 V DC<br>Max. 6 A<br>1 x 0.5 to 2 x 2.5 mm², solid/finely stranded                      | 150680   | 125 g  |
|                                                                     | 1 NC, gold-plated contact<br>Max. 500 V AC, max. 110 V DC<br>Max. 6 A<br>1 x 0.5 to 2 x 2.5 mm², solid/finely stranded | 150684   | 125 g  |
|                                                                     | 1 NO<br>Max. 500 V AC, max. 110 V DC<br>Max. 6 A<br>1 x 0.5 to 2 x 2.5 mm², solid/finely stranded                      | 150682   | 125 g  |
|                                                                     | 1 NO, gold-plated contact<br>Max. 500 V AC, max. 110 V DC<br>Max. 6 A<br>1 x 0.5 to 2 x 2.5 mm², solid/finely stranded | 150686   | 125 g  |
| Dust cover for sockets, series 8570                                 |                                                                                                                        |          |        |
|                                                                     | Retrofittable dust protection for 3-pole sockets                                                                       | 253118   | 6 g    |
| Dust cover for sockets, Series 8570                                 |                                                                                                                        |          |        |
|                                                                     | Retrofittable dust protection for 4-pole sockets                                                                       | 255003   | 8 g    |
| Dust cover for sockets, series 8570                                 |                                                                                                                        |          |        |
|                                                                     | Retrofittable dust protection for 5-pole sockets                                                                       | 255004   | 8 g    |
| Plug                                                                |                                                                                                                        |          |        |
|                                                                     | 8570/12-307-S-XX-X-XX-XXX 3-pole plug, 480 to 500 V AC, 50/60 Hz, 16 A                                                 | 272899   | 331 g  |
|                                                                     | 8570/12-405-S-XX-X-XX-XXX 4-pole plug, 600 to 690 V AC, 50/60 Hz, 16 A                                                 | 272888   | 384 g  |
|                                                                     | 8570/12-407-S-XX-X-XX-XXX 4-pole plug, 480 to 500 V AC, 50/60 Hz, 16 A                                                 | 272890   | 384 g  |
|                                                                     | 8570/12-505-S-XX-X-XX-XXX 5-pole plug, 347/600 to 400/690 V AC, 50/60 Hz, 16 A                                         | 272720   | 444 g  |
|                                                                     | 8570/12-507-S-XX-X-XX-XXX 5-pole plug, 277/480 to 288/500 V AC, 50/60 Hz, 16 A                                         | 272882   | 444 g  |

## Accessories

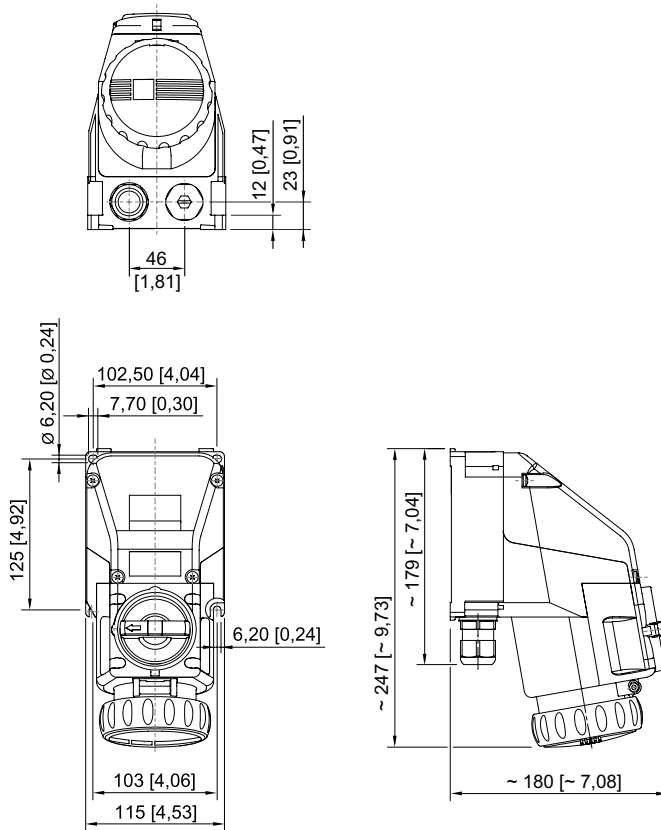
| Figure                                                                              | Description                                                                      | Art. No. | Weight |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------|--------|
| <b>Plug</b>                                                                         |                                                                                  |          |        |
|    | 8570/12-309-S-XX-X-XX-XXX 3-pole plug, 380 to 415 V AC, 50/60 Hz, 16 A           | 272900   | 331 g  |
|                                                                                     | 8570/12-403-S-XX-X-XX-XXX 4-pole plug, 380 V AC, 50 Hz, 16 A                     | 272886   | 384 g  |
|                                                                                     | 8570/12-406-S-XX-X-XX-XXX 4-pole plug, 380 to 415 V AC, 50/60 Hz, 16 A           | 272889   | 384 g  |
|                                                                                     | 8570/12-411-S-XX-X-XX-XXX 4-pole plug, 440 to 460 V AC, 60 Hz, 16 A              | 272893   | 384 g  |
|                                                                                     | 8570/12-503-S-XX-X-XX-XXX 5-pole plug, 220/380 V AC, 50 Hz, 16 A                 | 272718   | 444 g  |
|                                                                                     | 8570/12-506-S-XX-X-XX-XXX 5-pole plug, 200/346 to 240/415 V AC, 50 / 60 Hz, 16 A | 272881   | 444 g  |
|                                                                                     | 8570/12-511-S-XX-X-XX-XXX 5-pole plug, 250/440 to 265/460 V AC, 60 Hz, 16 A      | 272884   | 444 g  |
|    | 8570/12-306-S-XX-X-XX-XXX 3-pole plug, 200 to 250 V AC, 50 / 60 Hz, 16 A         | 272898   | 331 g  |
|                                                                                     | 8570/12-409-S-XX-X-XX-XXX 4-pole plug, 200 to 250 V AC, 50/60 Hz, 16 A           | 272891   | 384 g  |
|                                                                                     | 8570/12-509-S-XX-X-XX-XXX 5-pole plug, 120/208 to 144/250 V AC, 50/60 Hz, 16 A   | 272883   | 444 g  |
|    | 8570/12-304-S-XX-X-XX-XXX 3-pole plug, 100 to 130 V AC, 50/60 Hz, 16 A           | 272896   | 331 g  |
|                                                                                     | 8570/12-404-S-XX-X-XX-XXX 4-pole plug, 100 to 130 V AC, 50/60 Hz, 16 A           | 272887   | 384 g  |
|                                                                                     | 8570/12-504-S-XX-X-XX-XXX 5-pole plug, 57/100 to 75/130 V AC, 50/60 Hz, 16 A     | 272719   | 444 g  |
|   | 8570/12-302-S-XX-X-XX-XXX 3-pole plug, > 50 V AC, >300 to 500 Hz, 12 A           | 272894   | 331 g  |
|                                                                                     | 8570/12-402-S-XX-X-XX-XXX 4-pole plug, > 50 V AC, >300 to 500 Hz, 12 A           | 272885   | 384 g  |
|                                                                                     | 8570/12-410-S-XX-X-XX-XXX 4-pole plug, > 50 V AC, 100 to 300 Hz, 12 A            | 272892   | 384 g  |
|  | 8570/12-303-S-XX-X-XX-XXX 3-pole plug, >50 to 110 V DC, 16 A                     | 272895   | 331 g  |
|                                                                                     | 8570/12-305-S-XX-X-XX-XXX 3-pole plug, 277 V AC, 60 Hz, 16 A                     | 272897   | 331 g  |

## Spare Parts

| Figure                                                                              | Description                                      | Art. No. | Weight |
|-------------------------------------------------------------------------------------|--------------------------------------------------|----------|--------|
| <b>Repair set for Series 8570 sockets</b>                                           |                                                  |          |        |
|  | Repair set 8570 hinged cover, 3-pole, black      | 274119   | 95 g   |
|                                                                                     | Repair set 8570 hinged cover, 3-pole, blue       | 274116   | 95 g   |
|                                                                                     | Repair set 8570 hinged cover, 3-pole, green      | 274115   | 95 g   |
|                                                                                     | Repair set 8570 hinged cover, 3-pole, light grey | 274121   | 95 g   |
|                                                                                     | Repair set 8570 hinged cover, 3-pole, red        | 274118   | 95 g   |
|                                                                                     | Repair set 8570 hinged cover, 3-pole, yellow     | 274117   | 95 g   |
|                                                                                     | Repair set 8570 hinged cover, 4-pole, black      | 274114   | 115 g  |
|                                                                                     | Repair set 8570 hinged cover, 4-pole, blue       | 274111   | 115 g  |
|                                                                                     | Repair set 8570 hinged cover, 4-pole, green      | 274110   | 115 g  |
|                                                                                     | Repair set 8570 hinged cover, 4-pole, red        | 274113   | 115 g  |
|                                                                                     | Repair set 8570 hinged cover, 4-pole, yellow     | 274112   | 115 g  |
|                                                                                     | Repair set 8570 hinged cover, 5-pole, black      | 274109   | 125 g  |
|                                                                                     | Repair set 8570 hinged cover, 5-pole, blue       | 274106   | 125 g  |
|                                                                                     | Repair set 8570 hinged cover, 5-pole, red        | 274108   | 125 g  |
|                                                                                     | Repair set 8570 hinged cover, 5-pole, yellow     | 274107   | 125 g  |



3-pole wall-mounting socket



4-pole/5-pole wall-mounting socket