

8571/11-407-S-01-0-00-XXX Art. No. 276194



- 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 8571N



The R. STAHL 8571/11 series SolConeX sockets for Zone 1/21 in 4- and 5-pole versions have full AC-3 switching capacity up to 32 A. The high degree of protection IP66 ensures maximum protection against the ingress of dust and/or water in any application situation. 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

## Technical Data

### Explosion Protection

|                                 |                                                                                 |
|---------------------------------|---------------------------------------------------------------------------------|
| Area of application             | European Union (ATEX)<br>IECEx                                                  |
| Area of application Note        | Other country markings available on request                                     |
| Application range (zones)       | 1, 2, 21, 22                                                                    |
| IECEx gas certificate           | IECEx PTB 05.0024                                                               |
| IECEx gas explosion protection  | Ex db eb IIC T6 ... T5 Gb                                                       |
| IECEx dust certificate          | IECEx PTB 05.0024                                                               |
| IECEx dust explosion protection | II tb IIIC T76 °C Db                                                            |
| ATEX gas certificate            | PTB 04 ATEX 1060                                                                |
| ATEX gas explosion protection   | Ex II 2 G Ex db eb IIC T6 ... T5 Gb                                             |
| ATEX dust certificate           | PTB 04 ATEX 1060                                                                |
| ATEX dust explosion protection  | Ex II 2 D Ex tb IIIC T76 °C Db                                                  |
| Certificates                    | ATEX (PTB), Brazil (ULB), IECEx (PTB), India (PESO), Korea (KTL), Taiwan (ITRI) |
| Ship approval                   | DNV                                                                             |
| Declaration of conformity       | ATEX (EUK), China (CCC)                                                         |

### Electrical Data

|                 |             |
|-----------------|-------------|
| Type of voltage | Low voltage |
|-----------------|-------------|

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### Electrical Data

|                                  |                                                                    |
|----------------------------------|--------------------------------------------------------------------|
| AC rated operational voltage     | 480 ... 500 V AC                                                   |
| Frequency                        | 50 / 60 Hz                                                         |
| Rated operational current        | 32 A                                                               |
| Electrical service life          | > 2x10 <sup>3</sup> switching cycles                               |
| Mechanical service life          | > 2x10 <sup>3</sup> switching cycles                               |
| Utilisation category             | AC-3: 690 V / 32 A<br>DC-1: 110 V / 32 A<br>UL508: 600 V / 30 A    |
| Switching capacity main contacts | 7.5 kW: 220 to 240 V<br>15 kW: 380 to 415 V<br>30 kW: 600 to 690 V |
| Frequency range                  | 50 / 60 Hz                                                         |

### Device Specific Data

|                                         |         |
|-----------------------------------------|---------|
| Back-up fuse with thermal protection    | 63 A gG |
| Back-up fuse without thermal protection | 35 A gG |

### Ambient Conditions

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
| Ambient temperature      | -50 °C ... 25 °C<br>-50 °C ... 65 °C                     |
| Ambient temperature      | -50 °C to +65 °C                                         |
| Ambient temperature      | -58 °F to +149 °F                                        |
| Ambient temperature note | 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 2.5 mm <sup>2</sup> ... 2 x 10 mm <sup>2</sup> |
| Connection cross-section AWG single stranded | 1 x AWG 14 ... 2 x AWG 8                           |
| Finely stranded connection cross-section     | 1 x 2.5 mm <sup>2</sup> ... 2 x 6 mm <sup>2</sup>  |
| Finely stranded connection cross-section AWG | 1 x AWG 14 ... 2 x AWG 10                          |
| Detailed number of poles                     | 3 P + PE                                           |
| Width                                        | 135 mm                                             |
| Width, inches                                | 5.31 in                                            |
| Height                                       | 206 mm                                             |
| Height in inches                             | 8.12 in                                            |
| Length                                       | 280 mm                                             |
| Length in inches                             | 11.04 in                                           |
| Impact strength (IEC 60079)                  | 7 J                                                |
| Impact strength (IEC 62262)                  | IK10                                               |
| Colour code                                  | Black                                              |
| Coding (clock hour position)                 | 7                                                  |
| Lockable in                                  | in 0- and I-position                               |
| Interlock                                    | Prevents the plug from being pulled under load     |
| Series                                       | SolConeX                                           |

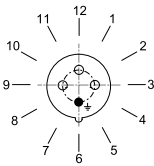
Installation equipment  
32 A wall-mounting socket



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|                                |                                             |
|--------------------------------|---------------------------------------------|
| <b>Mechanical Data</b>         |                                             |
| Weight                         | 2 kg                                        |
| Weight                         | 4.41 lb                                     |
| <b>Mounting / Installation</b> |                                             |
| Connection                     | Screw terminal                              |
| <b>Components</b>              |                                             |
| Cable entry note               | Entry 1: Lower left<br>Entry 2: Lower right |
| Entry 1 model                  | 8161/7-M32-2109-LT                          |
| Entry 1 type                   | Polyamide cable gland                       |
| Entry 1                        | M32 x 1.5                                   |
| Entry 1 clamping range         | 9 – 21 mm                                   |
| Entry 1 clamping range, inch   | 0.35 – 0.83 in                              |
| Metal entry possible 1         | No                                          |
| Entry 2 model                  | 8290/3-M32                                  |
| Entry 2 type                   | Polyamide stopping plug                     |
| Entry 2                        | M32 x 1.5                                   |
| Metal entry possible 2         | No                                          |

Technical Drawings – Subject to Alterations



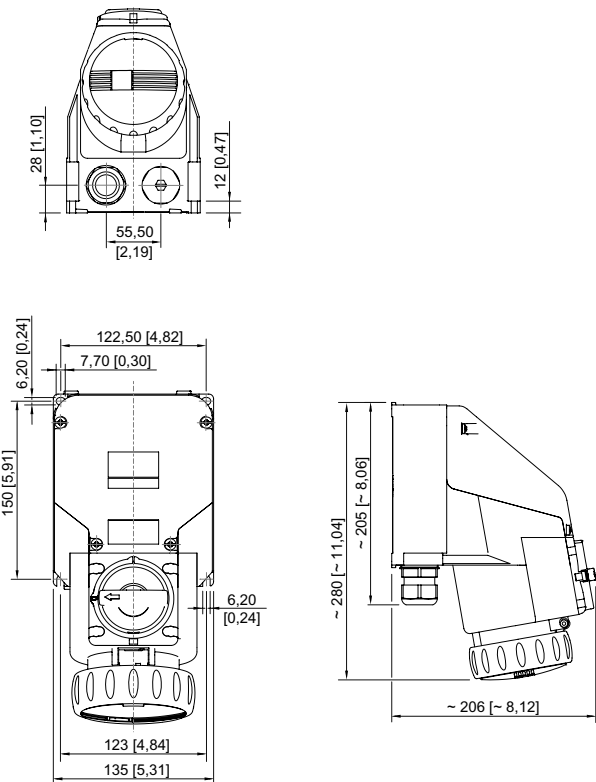
Position of clock hour position  
Example: 6 h position

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

Installation equipment  
32 A wall-mounting socket

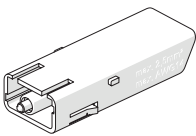


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Wall-mounting socket

Accessories

| Auxiliary contact optional, pluggable by the user, easy to retrofit                |                                                                                                                        | Art. No. |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------|
|  | 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   |
|                                                                                    | 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   |
|                                                                                    | 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   |
|                                                                                    | 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   |
| Dust cover for sockets, Series 8571                                                |                                                                                                                        | Art. No. |
|  | Retrofittable dust protection for 4-pole sockets                                                                       | 255005   |

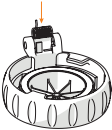
Installation equipment  
32 A wall-mounting socket



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| Plug                                                                             |                                                                        | Art. No. |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------|----------|
|  | 8571/12-407-S-XX-X-XX-XXX 4-pole plug, 480 to 500 V AC, 50/60 Hz, 32 A | 275688   |

Spare Parts

| Repair set for Series 8571 sockets                                               |                                             | Art. No. |
|----------------------------------------------------------------------------------|---------------------------------------------|----------|
|  | Repair set 8571 hinged cover, 4-pole, black | 275505   |

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.