

### 8150/5-V88-28320-4407-3304 PlugSocket Art. No. 313038



- Available with single or duplex receptacles, in 20 A or 30 A with a variety of voltages and pin configurations
- Color coding and pin configuration makes it physically impossible to mate plugs and receptacles of different voltages and current ratings (per IEC 60 309-2)
- Flush mounting, smooth contours for easy cleaning
- Enclosure made of 316L brushed stainless steel with concealed gasket
- Interlocked switch mechanism prevents accidental removal of plug from receptacle under load

#### MY R. STAHL 8150S

Designed for use in controlled environments; specifically those that are hazardous (classified) locations; these flush-mounted socket distributors support easy cleaning and are free of contaminant holding cavities. Ideal for clean rooms in the pharmaceutical, optical, food, fine chemical and life science industries. The product is quad-certified for use in harsh environments, listed to North American (US and CA) standards, as well as certified for IECEx and ATEX.

#### Technical Data

##### Explosion Protection

|                                 |                                                                                                                                                                                                        |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Area of application             | European Union (ATEX)<br>Canada<br>USA<br>IECEx                                                                                                                                                        |
| Application range (zones)       | 1, 2, 21, 22                                                                                                                                                                                           |
| IECEx gas certificate           | IECEx PTB 09.0049                                                                                                                                                                                      |
| IECEx gas explosion protection  | Ex db eb IIC T4 Gb                                                                                                                                                                                     |
| IECEx dust certificate          | IECEx PTB 09.0049                                                                                                                                                                                      |
| IECEx dust explosion protection | Ex tb IIIC T130 °C Db                                                                                                                                                                                  |
| ATEX gas certificate            | PTB 09 ATEX 1109                                                                                                                                                                                       |
| ATEX gas explosion protection   | Ex II 2 G Ex db eb IIC T4 Gb                                                                                                                                                                           |
| ATEX dust certificate           | PTB 09 ATEX 1109                                                                                                                                                                                       |
| ATEX dust explosion protection  | Ex II 2 D Ex tb IIIC T130 °C Db                                                                                                                                                                        |
| FMus certificate                | FM22US0051X                                                                                                                                                                                            |
| Marking FMus                    | Class I, Div. 2, Groups A,B,C,D;<br>Class II, III, Div. 1, Groups E,F,G, T5;<br>Type 3, 4, 4X, IP66<br>Class I, Zone 1, AEx db eb IIC T5 Gb;<br>Zone 21, AEx tb IIIC T85°C Db<br>Ta = -50 °C to +40 °C |
| cFM certificate                 | FM22CA0038X                                                                                                                                                                                            |
| Marking cFM                     | Class 1, Zone 1, Ex db eb IIC T5 Gb;<br>Class I, Div. 2, Groups A,B,C,D;<br>Class II, III, Div. 1, Groups E,F,G,<br>Enclosure Type 3, 4, 4X, IP66<br>Ex tb IIIC T85°C Db                               |
| Certificates                    | ATEX (PTB), Canada (FM), IECEx (PTB), USA (FM)                                                                                                                                                         |

# Installation equipment

## Wall-mounted socket distributor for clean rooms

STAHL

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### Electrical Data

|                          |     |
|--------------------------|-----|
| Looping through possible | Yes |
|--------------------------|-----|

### Ambient Conditions

|                        |                   |
|------------------------|-------------------|
| Ambient temperature °C | -50 °C ... +40 °C |
| Ambient temperature °F | -58°F ... +104°F  |

### Mechanical Data

|                                       |                                                     |
|---------------------------------------|-----------------------------------------------------|
| Degree of protection (IP) (IEC 60529) | IP66                                                |
| IP degree of protection (IEC 60079)   | IP64                                                |
| Enclosure material                    | Stainless steel 1.4404, (AISI 316L), brush finished |
| Silicone-free                         | No                                                  |
| Seal                                  | Silicone, foamed                                    |
| Width                                 | 420 mm                                              |
| Width, inches                         | 16.535 in                                           |
| Height                                | 220.5 mm                                            |
| Height in inches                      | 8.681 in                                            |
| Length                                | 420 mm                                              |
| Length in inches                      | 16.54 in                                            |
| Enclosure size                        | 360x360x150                                         |
| Weight                                | 12.5 kg                                             |
| Weight                                | 27.56 lb                                            |

### Components

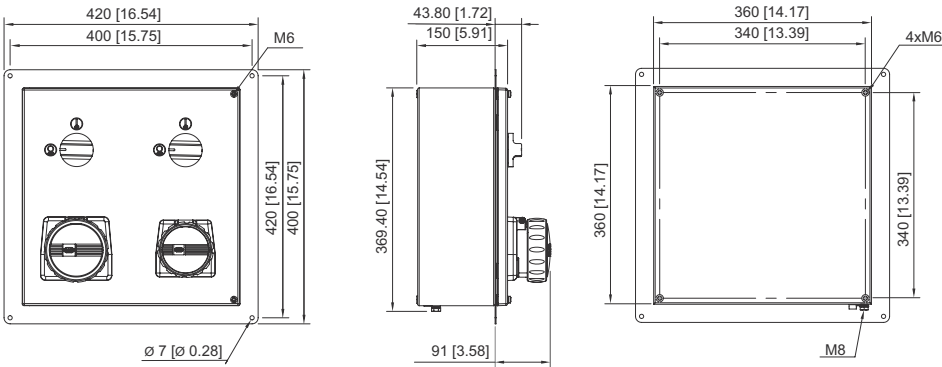
|                                        |                                   |
|----------------------------------------|-----------------------------------|
| Cable glands and entries               | without                           |
| Number of receptacles 1                | 2                                 |
| Receptacle 1 type                      | 8571/28                           |
| Rated operating voltage receptacle 1   | 480 ... 500 V                     |
| Receptacle 1 frequency                 | 50/60 Hz                          |
| Rated operating current receptacle 1   | 30 A                              |
| Number of poles on receptacle 1        | 3                                 |
| Socket 1 colour code                   | Red                               |
| Receptacle 1 coding                    | 7                                 |
| Terminal type socket 1                 | Phoenix UT 10                     |
| Receptacle 1 connection cross-section  | 6 mm <sup>2</sup>                 |
| Socket 1 enclosure material            | Polyamide, glass fibre reinforced |
| Switching capacity 1                   | AC-3: 500 V/30 A                  |
| Number of receptacles 2                | 1                                 |
| Receptacle 2 type                      | 8570/28                           |
| Rated operating voltage receptacle 2   | 100 ... 130 V                     |
| Receptacle 2 frequency                 | 50/60 Hz                          |
| Rated operational current receptacle 2 | 20 A                              |
| Number of poles on receptacle 2        | 2                                 |
| Socket 2 colour code                   | Yellow                            |
| Receptacle 2 coding                    | 4                                 |
| Terminal type socket 2                 | Phoenix UT 4                      |
| Receptacle 2 connection cross-section  | 4 mm <sup>2</sup>                 |
| Socket 2 enclosure material            | Polyamide, glass fibre reinforced |
| Switching capacity 2                   | AC-3: 277 V/16 A                  |

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



8150/5-V88-83..4...-3...

Accessories

| Plug                                                                               |                                                         | Art. No. |
|------------------------------------------------------------------------------------|---------------------------------------------------------|----------|
|   | plug, 2-pole, 3 wire, 100 to 130 V AC, 50 / 60 Hz, 20 A | 291381   |
|  | plug, 3-pole, 4 wire, 480 V AC, 50 / 60 Hz, 30 A        | 294406   |

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.