

8150/2-0236-0176-091-3311 Art. No. 278817



- Resistant Ex i terminal boxes made of stainless steel
- Degree of protection IP66
- External earth connection M8
- Version as screw-on cover for other alternatives contact factory
- Equipped as required

MY R. STAHL 8150M



R. STAHL Series 8150 Ex i terminal boxes are made of brushed stainless steel (DIN 1.4301, ANSI 304 or DIN 1.4404, ANSI 316L) and are particularly resistant. The optimised design and the circumferential protection channel on the cover opening and the silicone seal suitable for the most extreme temperature ranges make the enclosure usable worldwide. Various optional accessories are available.

### Technical Data

#### Explosion Protection

|                           |   |
|---------------------------|---|
| Scope of validity         | NEC®<br>CE Code   |
| Application range (zones) | 1, 2, 21, 22  |
| Certification ULus        | E177642   |
| Certification cUL         | E177642   |
| Marking ULus              | Class I, Zone 1 IIC T6<br>Class I, Div. 1, 2, Groups A,B,C,D<br>Class II, Div. 1, 2, Groups E,F,G<br>Class III<br>Enclosure Type 3, 4, 4X |
| Marking cUL               | Class I, Zone 1 IIC T6<br>Class I, Div. 1, 2, Groups A,B,C,D<br>Class II, Div. 1, 2, Groups E,F,G<br>Class III<br>Enclosure Type 3, 4, 4X |

#### Electrical Data

|                                  |      |
|----------------------------------|------|
| Rated operational voltage AC IEC | 60 V |
|----------------------------------|------|

#### Ambient Conditions

|                        |                    |
|------------------------|--------------------|
| Ambient temperature °C | -50 °C ... +75 °C  |
| Ambient temperature °F | -58 °F ... +167 °F |

#### Mechanical Data

|  |   |
|--|---|
| Degree of protection IP (IEC 60529)      | IP66  |
| Degree of protection (IP) UL             | IP66  |
| Enclosure material                       | Stainless steel 1.4404, (AISI 316L), brush finished |
| Material note                            | special version on request                          |
| External protective conductor connection | M8  |
| Silicone-free                            | No  |
| Connection cross-section                 | 2.5 mm <sup>2</sup>                                 |

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### Mechanical Data

|                              |                       |
|------------------------------|-----------------------|
| Connection cross-section AWG | 14 AWG                |
| Cover fixing type            | With captive screws   |
| Cover thickness              | 2 mm                  |
| Cover thickness inch         | 0.079 in              |
| Wall thickness               | 1.5 mm                |
| Wall thickness, inches       | 0.059 in              |
| Dimensions (WxHxD)           | 236.5 x 176.5 x 91 mm |
| Dimensions (WxHxD) inch      | 9.3 x 7 x 3.6 inch    |
| Width                        | 236.5 mm              |
| Width, inches                | 9.311 in              |
| Height                       | 176.5 mm              |
| Height, inches               | 6.945 in              |
| Depth                        | 91 mm                 |
| Depth, inches                | 3.583 in              |
| Weight                       | 8 kg                  |
| Weight                       | 17.64 lb              |

### Mounting / Installation

|   |              |
|---|--------------|
| Tightening torque of cover screw 1        | 4.5 Nm       |
| Tightening torque of cover screw 1 lbf in | 39.83 lbf in |

### Components

|                                   |  |
|-----------------------------------|--|
| Flange and plates                 | Without flange   |
| Entries installation options/side | Without drilled holes  |
| Terminal rail                     | 35 x 189 mm (1x)   |
| Terminal rail                     | 1.38 x 7.44" (1x)  |
| Type of terminals 1               | 1 x Phoenix UT<br>2-conductor, 2.5 mm <sup>2</sup> , blue            |
| Type of terminals 2               | 1 x Phoenix UT 2-conductor, 2.5 mm <sup>2</sup> , grey               |
| PA terminal                       | 1 x Phoenix UT PE<br>2-conductor, 2.5 mm <sup>2</sup> , green-yellow |

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

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.