

8150/1-0236-0176-091-3311 Art. No. 275134



- Resistant Ex e terminal boxes made of stainless steel, degree of protection IP66, external M8 earth connection
- Version as screw-on cover or hinged cover with cam locks
- Fittings can be configured individually

### MY R. STAHL 8150A



R. STAHL Series 8150 Ex e terminal boxes are made of brush finished stainless steel (1.4301, AISI 304 or 1.4404, AISI 316L) and are particularly resistant. The optimised design, like the circumferential protection channel on the cover opening and the silicone seal suitable for the most extreme temperature ranges, makes the enclosures usable worldwide. Various optional accessories are available.

## Technical Data

### Explosion Protection

|                                 |                                                               |
|---------------------------------|---------------------------------------------------------------|
| Area of application             | European Union (ATEX)<br>IECEX<br>United Kingdom              |
| Application range (zones)       | 1, 2, 21, 22                                                  |
| IECEX gas certificate           | IECEX PTB 09.0048                                             |
| IECEX gas explosion protection  | Ex eb IIC T6 / T5 Gb                                          |
| IECEX dust certificate          | IECEX PTB 09.0048                                             |
| IECEX dust explosion protection | Ex tb IIIC T80 °C / T95 °C Db                                 |
| ATEX gas certificate            | PTB 09 ATEX 1108                                              |
| ATEX gas explosion protection   | II 2 G Ex eb IIC T6 / T5 Gb                                   |
| ATEX dust certificate           | PTB 09 ATEX 1108                                              |
| ATEX dust explosion protection  | II 2 D Ex tb IIIC T80 °C / T95 °C Db                          |
| Certificates                    | ATEX (PTB), IECEX (PTB), Korea (KGS), Taiwan (ITRI), USA (UL) |
| Declaration of conformity       | ATEX (EUK), China (CCC)                                       |

### Electrical Data

|                              |             |
|------------------------------|-------------|
| Rated operational voltage AC | 0 ... 690 V |
|------------------------------|-------------|

### Ambient Conditions

|                     |                                                  |
|---------------------|--------------------------------------------------|
| Ambient temperature | -60 °C ... +40 °C (T6)<br>-60 °C ... +55 °C (T5) |
| Ambient temperature | -76°F ... +104°F (T6)<br>-76°F ... +131°F (T5)   |

### Mechanical Data

|                                          |                                                     |
|------------------------------------------|-----------------------------------------------------|
| IP degree of protection (IEC 60529)      | IP66                                                |
| Enclosure material                       | Stainless steel 1.4404, (AISI 316L), brush finished |
| External protective conductor connection | M8                                                  |
| Silicone-free                            | No                                                  |
| Connection cross-section                 | 2.5 mm²                                             |

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### Mechanical Data

|                              |                       |
|------------------------------|-----------------------|
| Connection cross-section AWG | 14 AWG                |
| Cover thickness              | 2 mm                  |
| Cover thickness in inches    | 0.079 in              |
| Wall thickness               | 1.5 mm                |
| Wall thickness in inches     | 0.059 in              |
| Dimensions (WxHxD)           | 236.5 x 176.5 x 91 mm |
| Width                        | 236.5 mm              |
| Width, inches                | 9.311 in              |
| Height                       | 176.5 mm              |
| Height in inches             | 6.945 in              |
| Depth                        | 91 mm                 |
| Depth in inches              | 3.583 in              |
| Weight                       | 3.09 kg               |
| Weight                       | 6.81 lb               |

### Mounting / Installation

|                                           |              |
|-------------------------------------------|--------------|
| Tightening torque lbf in                  | 0 lbf-in     |
| Tightening torque of cover screw 1        | 4.5 N · m    |
| Tightening torque of cover screw 1 lbf in | 39.83 lbf in |

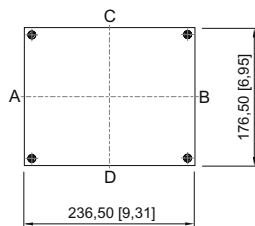
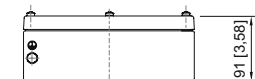
### Components

|                                   |                                              |
|-----------------------------------|----------------------------------------------|
| 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 mm², grey |

### Technical Drawings – Subject to Alterations



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



8150/-0236-0176-091-..1.

### Accessories

Screw hinge assembly kit

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Retrofittable hinge for enclosure up to max. 400 x 400 mm

275739

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.