

- Lightweight, cost-effective enclosure, made of copper-free aluminium
- Suitable for operation in Zones 1, 2, 21 and 22
- Ex d and Ex tb certified
- Gas group IIB + H2
- Degree of protection IP65 or IP66
- Retrofittable hinges
- Customer-specific configuration of the operating elements, of the number of cable glands and of the cable gland types

MY R. STAHL 8250C



The 8250 enclosure series forms the ideal basis for designing application-specific configurations of motor control units, control stations, terminal boxes, controls and distribution panels. The enclosure enables the installation of electric components and operating elements according to customer specification.

Flameproof cable glands with the Ex d type of protection or threaded holes for conduit connection can be used for direct cable entry into the enclosures.

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

| Selection Table | | | | | | |
|---------------------|--------|---|--------|-----------------------------|----------|---------|
| Ambient temperature | | -60 °C ... +70 °C (For IIB) -60 °C ... +60 °C (For IIB+H2) | | | | |
| Enclosure size | Width | Height | Depth | Product Type | Art. No. | Weight |
| 1 | 250 mm | 150 mm | 92 mm | 8250/0-0250-0150-092-420030 | 294281 | 8.2 kg |
| 2 | 300 mm | 230 mm | 102 mm | 8250/0-0300-0230-102-420030 | 294282 | 12.5 kg |
| Ambient temperature | | -20 °C ... +70 °C (For IIB) -20 °C ... +60 °C (For IIB+H2) | | | | |
| Enclosure size | Width | Height | Depth | Product Type | Art. No. | Weight |
| 3 | 370 mm | 300 mm | 138 mm | 8250/0-0370-0300-138-420030 | 294283 | 19.1 kg |
| 5 | 540 mm | 360 mm | 263 mm | 8250/0-0540-0360-263-420030 | 294284 | 46.5 kg |

| Technical Data | |
|---------------------------------|--------------------------------|
| Explosion Protection | |
| IECEX gas explosion protection | Ex db IIB / IIB+H2 Gb |
| IECEX dust explosion protection | Ex tb IIIC Db |
| ATEX gas explosion protection | Ⓜ II 2 G Ex db IIB / IIB+H2 Gb |
| ATEX dust explosion protection | Ⓜ II 2 D Ex tb IIIC Db |
| Certificates | ATEX (BVS), IECEX (BVS) |
| Electrical Data | |
| Rated operational voltage DC | 11000 V |
| Rated operational voltage AC | 11 kV |
| Rated operational current | 1250 A |

Technical Data

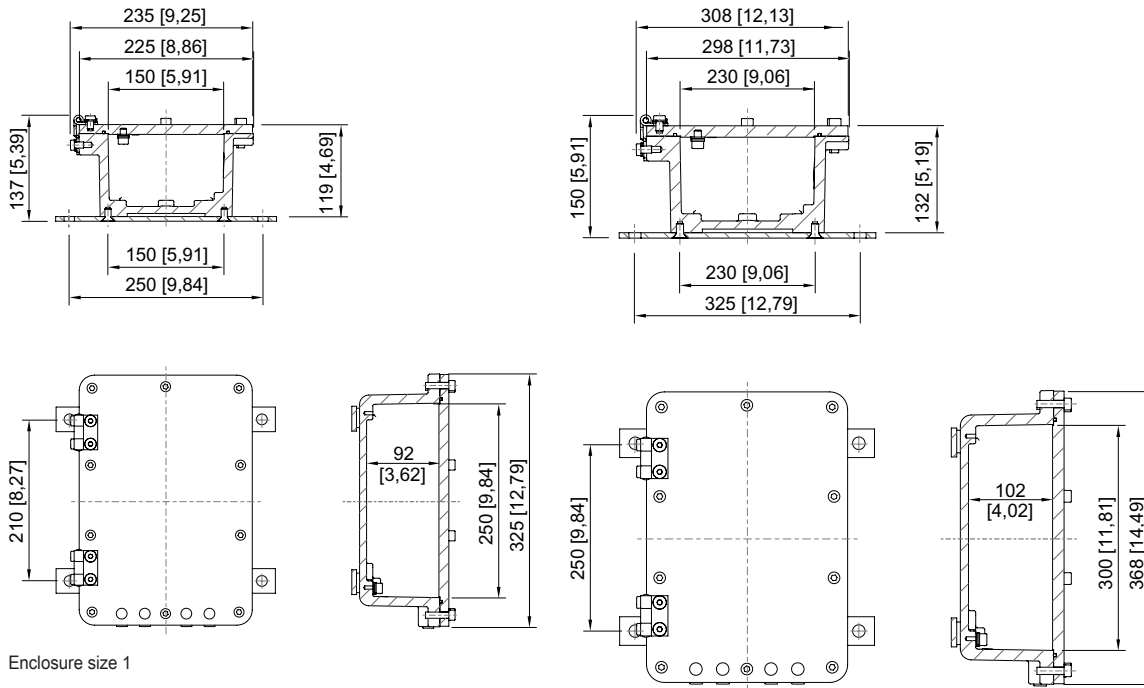
| | |
|---------------------------------------|---|
| Ambient Conditions | |
| Storage temperature | -60 °C ... +80 °C |
| Mechanical Data | |
| Degree of protection (IP) (IEC 60529) | IP66 (with O-ring) IP65 (without O-ring) |
| Enclosure material | Cast aluminium alloy BS 1490 aluminium LM6 |
| Cover material | EN - AW6082 |
| Cover | Flat panel |
| Cover fixing type | With standard screw. According to the order |
| Enclosure colour | Light grey (RAL 7035) |
| Enclosure colour note | Other colours on request |
| Built-in components | without |
| Left openings (180°) | According to the order |
| Top openings (90°) | According to the order |
| Right openings (0°) | According to the order |
| Bottom openings (270°) | According to the order |

Accessories

| Figure | Description | Art. No. | Weight |
|---|-------------------------------|----------|---------|
| Hinge | | | |
|  | Hinge for Series 8250 | 294285 | 120 g |
| Mounting plate | | | |
|  | Mounting plate for size 1 | 305844 | 700 g |
| | Mounting plate for size 2 | 305845 | 900 g |
| | Mounting plate for size 3 | 305846 | 1.75 kg |
| | Mounting plate for size 5 | 225908 | 3.9 kg |
| Wall mounting | | | |
|  | Wall-mounting rail for size 1 | 224231 | 900 g |
| | Wall-mounting rail for size 2 | 224232 | 1.13 kg |
| | Wall-mounting rail for size 3 | 225911 | 1.4 kg |
| | Wall-mounting rail for size 5 | 225913 | 1.5 kg |

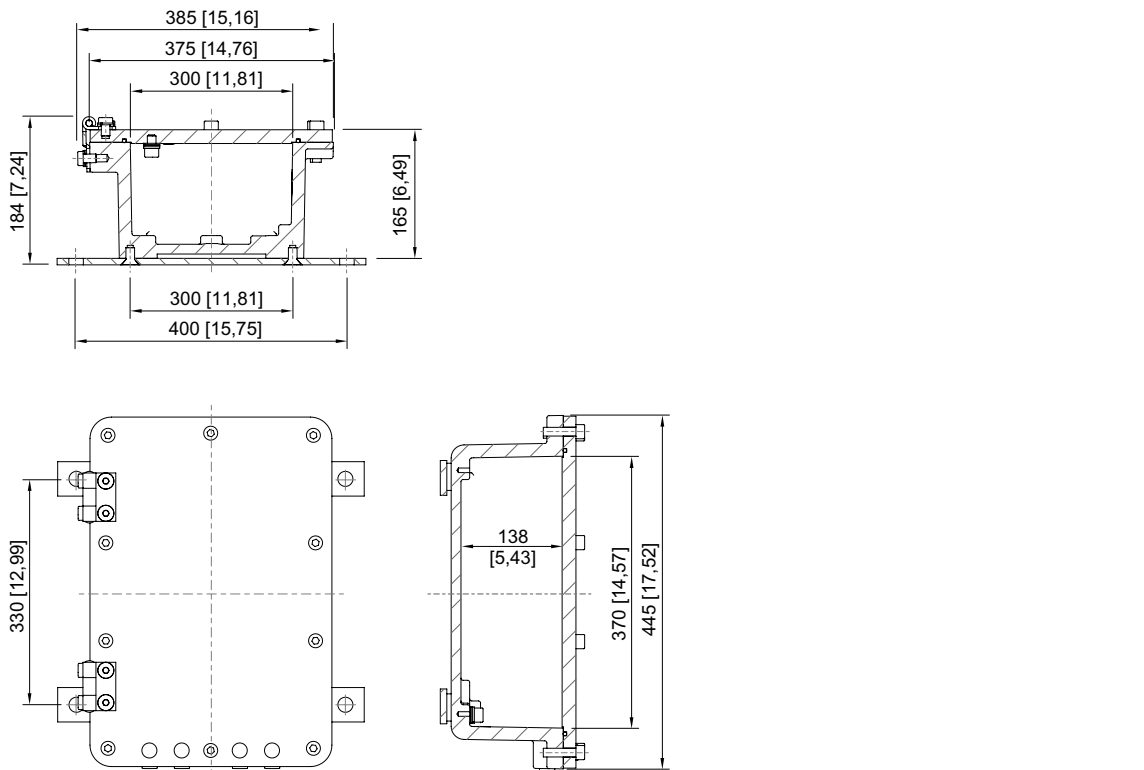
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

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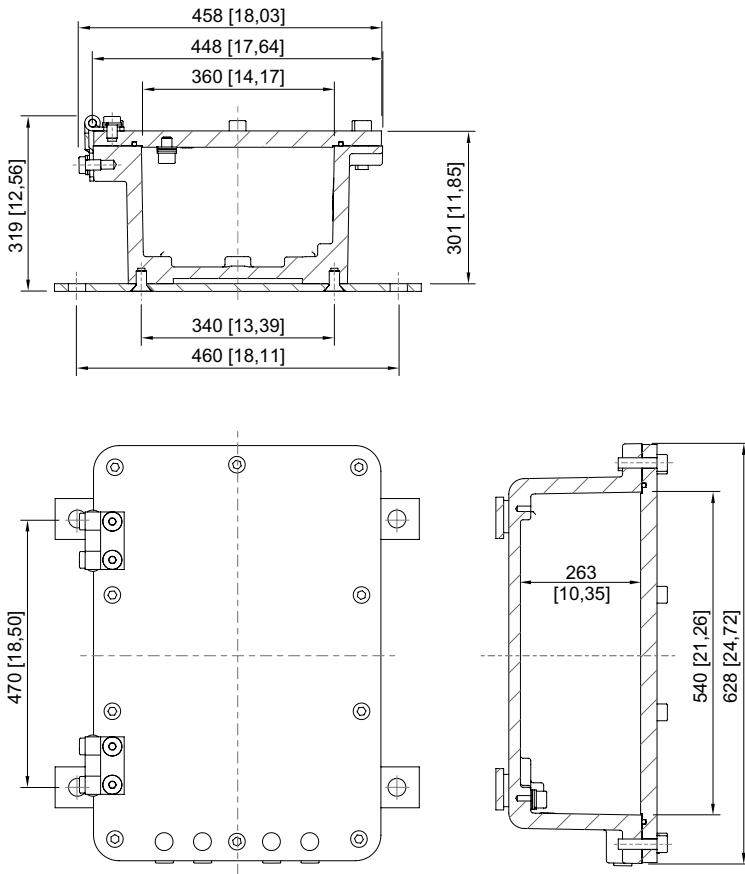
Enclosure size 1

Enclosure size 2



Enclosure size 3

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Enclosure size 5