

Remote I/O

IS1 RIO standard encl. Zone 1 With shield bus

With cable duct and power terminals

8150/5-0760-0760-300-2321 Art. No. 244144



- Short delivery times
- Can be used in Zone 1 without acceptance testing or certification
- For 24 V DC and 120/230 V AC
- Ready for use, prefabricated with entries, BusRails, connection terminals, etc.
- Modifications, extensions and customer-specific adaptations are possible

MY R. STAHL 8150D



With the IS1+ standard enclosures for Zone 1, we offer you a variety of prefabricated field enclosures made from 1.4301 stainless steel (V2A). They include all entries, BusRails, cable ducts, CPM sockets and connection terminals for auxiliary power.

Once the IS1+ components (available separately) have been installed, the enclosures can be used in Zone 1 without acceptance testing, and they fulfil the requirements of EN 61439.

Technical Data

| Explosion Protection | |
|---|--|
| Application range (zones) | 1, 2 |
| IECEX gas certificate | IECEX PTB 09.0049 |
| IECEX gas explosion protection | Ex db eb ib [ia Ga, ib] IIC T4 Gb |
| ATEX gas certificate | PTB 09 ATEX 1109 |
| ATEX gas explosion protection | Ex II 2 (1) G Ex db eb ib [ia Ga, ib] IIC T4 Gb |
| Certificates | ATEX (PTB), IECEX (PTB), India (PESO) |
| Declaration of conformity | ATEX (EUK), China (CCC) |
| Installation | Zone 1 |
| Further information | See the operating instructions and certificates for the enclosures and IS1+ modules |
| Electrical Data | |
| Applicable IS1+ CPM modules | 9440/22-01-*1-C1243 (PROFIBUS DP V1 HART); 9440/22-01-*1-C1455 (PROFIBUS DP V1 HART for PNO redundancy); 9440/22-01-*1-C1202 (Modbus RTU) *1 = 24 V DC or *2 = 230 V AC |
| Usable IS1+ I/O modules | 9468/32 9470/32 9475/32 9482/32 |
| Applicable IS1+ modules note | The IS1+ modules must be installed according to the corresponding operating instructions for the modules. |
| Auxiliary Power | |
| Auxiliary power rated operating voltage | 230 V AC (90 to 253 V AC) 24 V DC (20 to 35 V DC) |
| Auxiliary power nominal current | Max. 2.5 A @ 24 V DC Max. 0.5 A @ 230 V AC |
| Auxiliary power rated current | Depending on the installed IS1+ modules (see corresponding data sheet) |
| Device Specific Data | |
| Max. number of analogue I/O signals | 64 |

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Device Specific Data

| | |
|------------------------------------|--|
| Max. number of digital I/O signals | 128 |
| Max. internal power dissipation | 67 W |
| IS1+ BusRail | 1 x BusRail for 10 slots, with 2 end pieces (beginning + end), 1 BusRail extension |
| Unused slots | 1 |
| Cable duct | 2 x Blue (100 x 100 mm); 1 x Grey (25 x 25 mm) |
| Shield bus | 2 x KLBÜ 3...8 2 x AK16 50 x AK4 |
| Front door | 1 x opening to the left 5 x cam lock |

Ambient Conditions

| | |
|---------------------|---|
| Ambient temperature | -20°C ... +55°C |
| Ambient temperature | -40°F ... +122°F |
| Storage temperature | -40°C ... +80°C |
| Storage temperature | -40°F ... +176°F |
| Note | Also see the technical data of the IS1+ modules in the relevant data sheets |

Mechanical Data

| | |
|---------------------------------------|---|
| Connection auxiliary power | Screw connector 0.2 to 10 mm ² (4 x UTTB 4; 2 x UTTB 4-PE) |
| PE connection version | External M8 PE connection |
| PE connection clamping range | 10 – 25 mm ² |
| Degree of protection (IP) (IEC 60529) | IP65 |
| Enclosure material | Stainless steel 1.4301, (V2A, AISI 304) Brush finished |
| Sealing material | Silicone foam gasket |
| Silicone-free | No |
| Wall thickness | 2 mm |
| Connection cross-section | 0.2 to 10 mm ² |
| Dimensions (WxHxD) | 760 x 760 x 300 mm |
| Width | 760 mm |
| Width, inches | 29.92 in |
| Height | 760 mm |
| Height in inches | 29.92 in |
| Depth | 300 mm |
| Depth in inches | 11.81 in |
| Weight | 55 kg |
| Weight | 121.25 lb |

Mounting / Installation

| | |
|----------------------|------------------------|
| Mounting orientation | Horizontal Vertical |
| Connection type | Screw connector |

Components

| | |
|-----------------|--|
| Built-in unit 1 | 1 x BusRail for 10 slots (1 x CPM, 8 x I/O – modules) |
| Built-in unit 3 | 1 x Socket for CPU & pow mod. 9490/11-12 |

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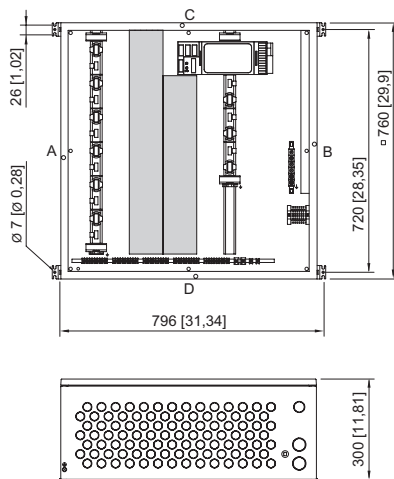
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Components

| | |
|-------------------------------|--|
| Auxiliary power cable entries | 2 x Black cable gland Polyamide, type 8161/7 M32 Ø 9 ... 21 mm |
| Cable entries signals | 98 x Blue cable gland Polyamide, type 8161/8 M20 Ø 4 ... 13 mm |
| Breather | 1 x Breather, green, Polyamide, type 8162 M25 x 1,5 |
| Type of terminals PE 1 | 2 x UTTB 4-PE |
| Earth rail | 10 x 3 Zinc galvanised (not insulated) (1x) |

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



1 x BusRail for 10 slots

Item no. 244144

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.