

7145/54-0400-1300-0300 Art. No. 282461



- Short delivery times
- Can be used in Zone 2 without acceptance testing or certification
- Ready for use, prefabricated with entries, BusRails, connection terminals, etc.
- Modifications, extensions and customer-specific adaptations are possible

MY R. STAHL 7145F



With the IS1+ standard enclosures for Zone 2, we offer you a variety of prefabricated field enclosures made from 1.4301 stainless steel (V2A). They include all entries, BusRails, cable ducts and connection terminals for auxiliary power.

Once the IS1+ components (available separately) have been installed, the enclosures can be used in Zone 2 without acceptance testing, and they fulfil the requirements of EN 61439.

Technical Data

Explosion Protection

| | |
|--------------------------------|---|
| Application range (zones) | 2 |
| IECEX gas certificate | IECEX TUR 15.0027 |
| IECEX gas explosion protection | Ex ec ia ib [ia Ga, ib] IIC T4 Gc |
| ATEX gas certificate | TÜV 18 ATEX 8178 |
| ATEX gas explosion protection | Ex II 3 (1) G Ex ec ia ib [ia Ga, ib] IIC T4 Gc |
| Certificates | ATEX (TUR), IECEX (TUR) |
| Declaration of conformity | ATEX (EUK) |
| Installation | Zone 2 |
| Further information | See the operating instructions and certificates for the enclosures and IS1+ modules |

Electrical Data

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|----------------------------------|--|
| Applicable IS1+ CPM modules | 9440/15-01-11-C1198 (Modbus RTU) |
| Applicable IS1+ CPU modules | 9442/35-10-00 (multi-protocol: PROFIBUS DP V1 HART, PROFIBUS DP V1 HART for PNO redundancy, Modbus TCP, PROFINET, EtherNet/IP) |
| Applicable IS1+ CPU modules note | CPU together with 9445/35 power module and 9496/35 socket |
| Usable IS1+ power modules | 9445/35 |
| Usable IS1+ base | 9496/35-04 |
| Usable IS1+ I/O modules | 9470/33 9475/33 9482/33 9469/35 9471/35 9472/35 9477/15 9468/33 |
| Applicable IS1+ modules note | The IS1+ modules must be installed according to the corresponding operating instructions for the modules. |

Auxiliary Power

| | |
|--------------------------------|--------------------------|
| Aux. power rated oper. voltage | 24 V DC (20 ... 35 V DC) |
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Auxiliary Power

| | |
|---------------------------------|--|
| Auxiliary power nominal current | Max. 4 A @ 24 V DC |
| Auxiliary power rated current | Depending on the installed IS1+ modules (see corresponding data sheet) |

Device Specific Data

| | |
|-------------------------------------|--|
| Max. number of analogue I/O signals | 72 |
| Max. number of digital I/O signals | 144 |
| Max. internal power dissipation | 75 W |
| IS1+ BusRail | 1 x BusRail for 10 slots |
| Shield bus | 2 x KLBÜ 3...8 50 x AK4 |
| Front door | 2 x cover support 6 x cam lock 1 x opening upwards |

Ambient Conditions

| | |
|---------------------|---|
| Ambient temperature | -40°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) | 400 x 1300 x 300 mm |
| Width | 400 mm |
| Width, inches | 15.75 in |
| Height | 1300 mm |
| Height in inches | 51.18 in |
| Depth | 300 mm |
| Depth in inches | 11.81 in |
| Weight | 30 kg |
| Weight | 66.14 lb |

Mounting / Installation

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

Components

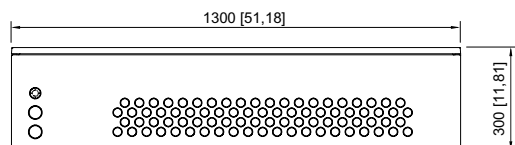
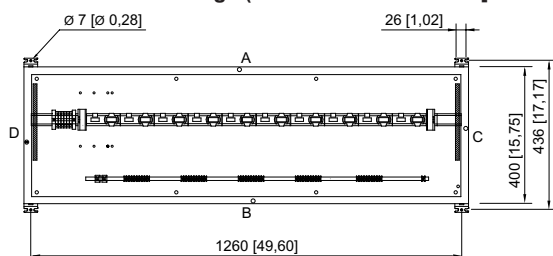
| | |
|-----------------|--|
| Built-in unit 1 | 1 x BusRail for 10 slots (1 x CPM, 9 x I/O – modules) |
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Components

| | |
|-------------------------------|---|
| Auxiliary power cable entries | 2 x Black cable gland Polyamide, type 8161/7 M32 Ø 9 ... 21 mm |
| Cable entries signals | 82 x Black cable gland Polyamide, type 8161/7 M20 Ø 4 ... 13 mm |
| Breather | 1 x Breather, green, Polyamide, type 8162 M25 x 1,5 |
| Type of terminals 1 | 4 x UTTB 4 |
| Type of terminals PE 1 | 2 x UTTB 4-PE |
| Earth rail | Zinc galvanised (not insulated) 10 x 3 (1x) |

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



1 x BusRail for 10 slots

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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.