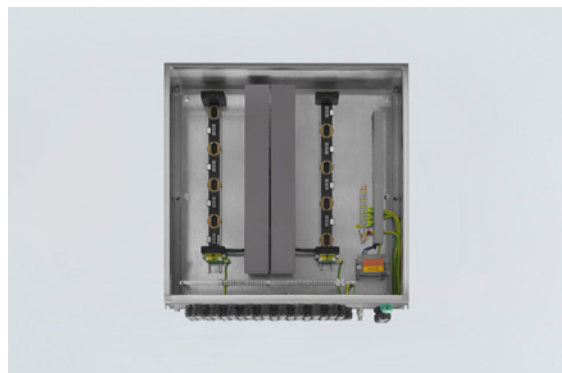


## Remote I/O

IS1 RIO standard enclosure Zone 2 With shield bus

With cable duct and power terminals

7145/54-0600-0600-0230 Art. No. 260146



- 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), India (PESO)
Declaration of Conformity	ATEX (EUK)
Installation	Zone 2
Further information	See the operating instructions and certificates for the enclosures and IS1+ modules

#### Electrical Data

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	9468/33 9470/33 9475/33 9482/33 9469/35 9471/35 9472/35 9477/15
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	24 V DC (20 to 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	56
Max. number of digital I/O signals	112
Max. internal power dissipation	40 W
IS1+ BusRail	1 x BusRail for 8 slots, with 2 end pieces (beginning + end), 1 BusRail extension
Cable duct	2 x Grey (100 x 60 mm); 1 x Grey (25 x 25 mm)
Shield bus	2 x KLBÜ 3...8 30 x AK4
Front door	1 x opening to the left 5 x cam lock

### Ambient Conditions

Ambient temperature	-40°C ... +55°C
Ambient temperature	-4°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 <sup>2</sup> (4 x UT6; 2 x UT6-PE)
PE connection version	External M8 PE connection
PE connection clamping range	10 – 25 mm <sup>2</sup>
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 <sup>2</sup>
Dimensions (WxHxD)	600 x 600 x 230 mm
Width	600 mm
Width, inches	23.62 in
Height	600 mm
Height, inches	23.62 in
Depth	230 mm
Depth, inches	9.06 in
Weight	35 kg
Weight	77.16 lb

### Mounting / Installation

Mounting orientation	Horizontal Vertical
Connection type	Screw connector

### Components

Built-in unit 1	1 x BusRail for 8 slots (1 x CPM, 7 x I/O – modules)
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## Remote I/O

IS1 RIO standard enclosure Zone 2 With shield bus

With cable duct and power terminals

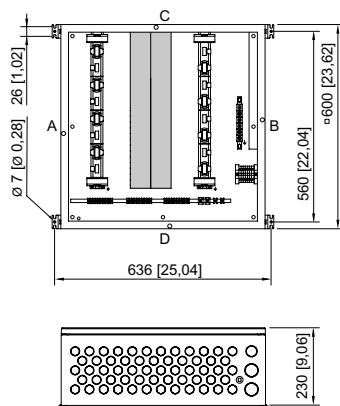
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### Components

Auxiliary power cable entries	2 x Black cable gland Polyamide, type 8161/7 M32 Ø 9 ... 21 mm
Cable entries signals	58 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 UT6
Type of terminals PE 1	2 x UT6-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 8 slots

Item no. 260146

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.