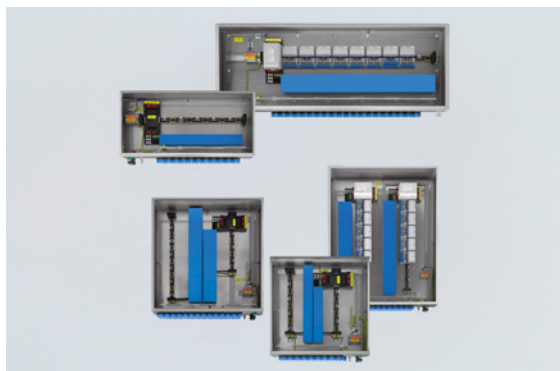


## Remote I/O

### IS1 RIO standard enclosure Zone 1 With shield bus and power terminals

8150/5-0400-0750-300-2321 Art. No. 282642



- Short delivery times
- Can be used in Zone 1 without acceptance or certification
- For 24 V DC und 120/230 V AC
- Prefabricated and ready for use with entries, bus rails, connection terminals, etc.
- Modifications, add-ons and customer-specific adaptations possible

WebCode 8150D



With the IS1+ standard enclosures for Zone 1, we offer you a variety of prefabricated field enclosures made from stainless steel 1.4301 (V2A). They include all entries, bus rails, 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, 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)
Notes	CCC, UKCA certificate available from 2022 onward
Installation	Zone 1
Further information	Refer to operating instructions and certificates of 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	Installation of the IS1+ modules must be performed in accordance with the corresponding operating instructions of 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 installed modules IS1+ (see corresponding data sheet)

## Remote I/O

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#### Device Specific Data

Max. number of analogue I/O signals	40
Max. number of digital I/O signals	80
Max. internal power dissipation	51 W
IS1+ BusRail	1 x BusRail for 6 slots
Shield bus	2 x KLBÜ 3...8 2 x AK16 30 x AK4
Front door	1 x opening upwards 3 x cam lock 1 x cover support

#### 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	Refer to the technical data in the corresponding data sheets of the IS1+ modules

#### Mechanical Data

Connection auxiliary power	Screw connector 0.2 to 10 mm <sup>2</sup> (4 x UTTB 4; 2 x UTTB 4-PE)
PE connection version	External M8 PE connection
PE connection clamping range	10 – 25 mm <sup>2</sup>
IP degree of protection (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)	400 x 750 x 300 mm
Width	400 mm
Width, inches	15.75 in
Height	750 mm
Height, inches	29.53 in
Depth	300 mm
Depth, 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 6 slots (1 x CPM, 5 x I/O – modules)
Built-in unit 3	1 x Socket for CPU & pow mod. 9490/11-12

# Remote I/O

IS1 RIO standard enclosure Zone 1 With shield bus  
and power terminals

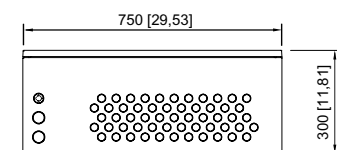
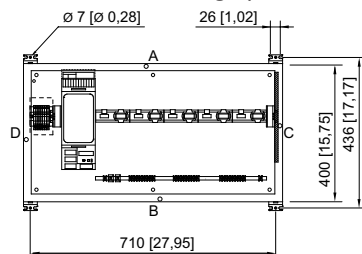
8150/5-0400-0750-300-2321 Art. No. 282642



## Components

Auxiliary power cable entries	2 x Black cable gland Polyamide, type 8161/7 M32 Ø 9 ... 21 mm
Cable entries signals	56 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	Zinc galvanised (not insulated) 10 x 3 (1x)

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



1 x BusRail for 6 slots

Art. No. 282462

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.