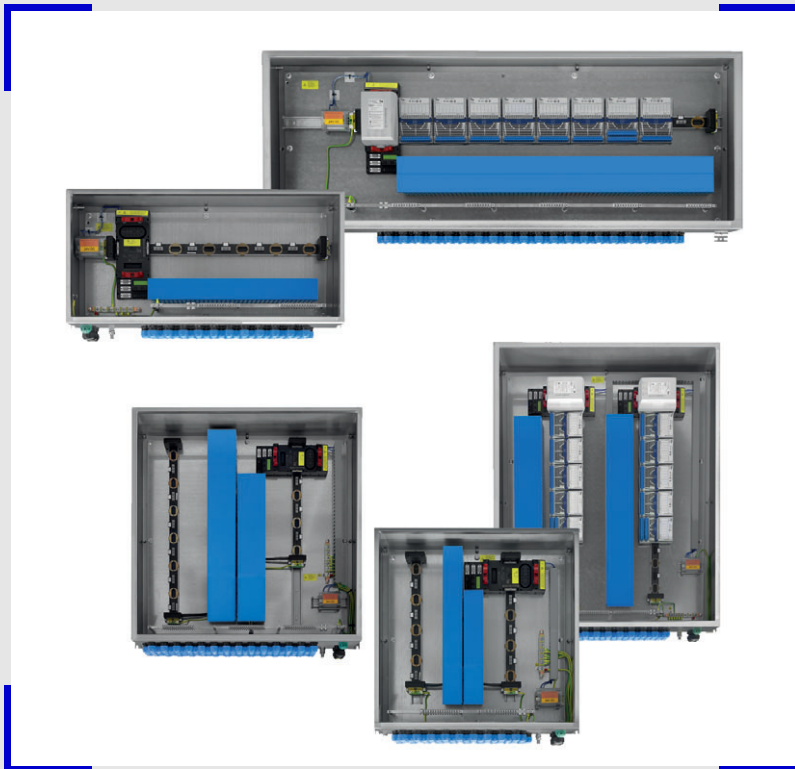


## Standard enclosure for Remote I/O Series 8150



- > Stainless steel enclosure for installation in Zone 1
- > Standard versions - available in max. 3 weeks
- > Prepared for the installation of IS1+ Remote I/O
- > For up to 112 analog or 224 digital signals
- > Pre-configured with all accessories
- > Additional options and customer specific designs available.

www.stahl.de



17505E00



A4

With the standard enclosures IS1+ we offer you a variety of pre-assembled field enclosures for installation in Zone 1 with shorter delivery times. The five versions are made of stainless steel 1.4301 (V2A) and contain, among other things, all entries, BusRails, cable ducts, CPM sockets and connecting terminals for auxiliary power.

After installation of the IS1+ components, the enclosures can be used in Zone 1 and do not require any acceptance or certification since they meet the requirements of EN 61439.

Modifications, extensions or fully customer specific designs are available anytime on request.

Note: The standard enclosures are delivered without IS1+ modules

Zone	ATEX / IECEx					
	0	1	2	20	21	22
For use in		x				

**WebCode 8150D**

# Standard enclosure for Remote I/O

## Series 8150



### Selection Table

Version	Dimensions (W x H x D)	Number of module slots	Max. number I/O signals (analog/digital)	Order number	Art. no.	Weight
	mm					kg
Standard enclosure for Remote I/O, Zone 1	750 x 360 x 230	6	40 / 80	IS1 RIO Station 360x750x230_6 Slot_Z1	244147	25.000
	600 x 600 x 230	8	56 / 112	IS1 RIO Station 600x600x230_8 Slot_Z1	244142	35.000
	760 x 760 x 300	10	64 / 128	IS1 RIO Station 760x760x300_10 Slot_Z1	244144	55.000
	1300 x 360 x 230	10	64 / 128	IS1 RIO Station 360x1300x230_10 Slot_Z1	244143	45.000
	800 x 1000 x 300	16	112 / 224	IS1 RIO Station 800x1000x300_2x8 Slot_Z1	244146	70.000

Note Weight and delivery without modules

### Explosion Protection

#### Global (IECEX)

Gas IECEx PTB 09.0049  
Ex de ib [ia Ga] IIC T4 Gb

#### Europe (ATEX)

Gas PTB 09 ATEX 1109  
Ex II 2 G Ex de ib [ia Ga] IIC T4 Gb

#### Certifications and certificates

Certificates IECEx, ATEX, Brazil (INMETRO), India (PESO), Kazakhstan (TR), Russia (TR), Serbia (SRPS), Belarus (TR)  
Ship approval Available for customized versions:

#### Further parameters

Installation in Zone 1  
Further information refer to operating instructions and certificates of enclosures and IS1+ modules.

### Technical Data

#### Electrical data

Rated operational voltage 24 V DC (20 ... 35 V DC)  
Rated current Depending on installed modules (see corresponding data sheet)  
Connection Screw connection 0.2 mm<sup>2</sup> - 10 mm<sup>2</sup> (4 x UT6, 2 x UT6-PE)  
PE-rail 6 x 10 mm<sup>2</sup>  
PE connection BG245, clamping range 10...25 mm<sup>2</sup>  
Cable entries 2 x M32 x 1.5, black, polyamide, clamping range 9...21 mm<sup>2</sup> (R. STAHL type 8161/7-M32-2109)  
Breather M25, green, polyamide (R. STAHL type 8162/1-M25-1)

#### Ambient conditions

Ambient temperature -20 ... +50 °C  
Storage temperature -40 ... +80 °C  
Refer to the technical data in the corresponding data sheets of the IS1+ devices

#### Mechanical data

Degree of protection IP65  
Material  
Enclosure Stainless steel, brush finished 1.4301 (V2A, AISI 304)  
Seal Silicone, foamed

#### Mounting / Installation

Assembly vertical or horizontal

#### Applicable IS1+ modules

CPM 9440/22-01-11-C1243 (PROFIBUS DP V1 HART)  
9440/22-01-11-C1455 (PROFIBUS DP V1 HART for PNO redundancy)  
9440/22-01-11-C1202 (Modbus RTU)

I/O modules Types 9468/32, 9470/32, 9475/32, 9482/32


Note Installation of the IS1+ modules must be performed in accordance with the corresponding operating instructions of the modules. Refer to [www.is1plus.de](http://www.is1plus.de)

# Standard enclosure for Remote I/O

## Series 8150

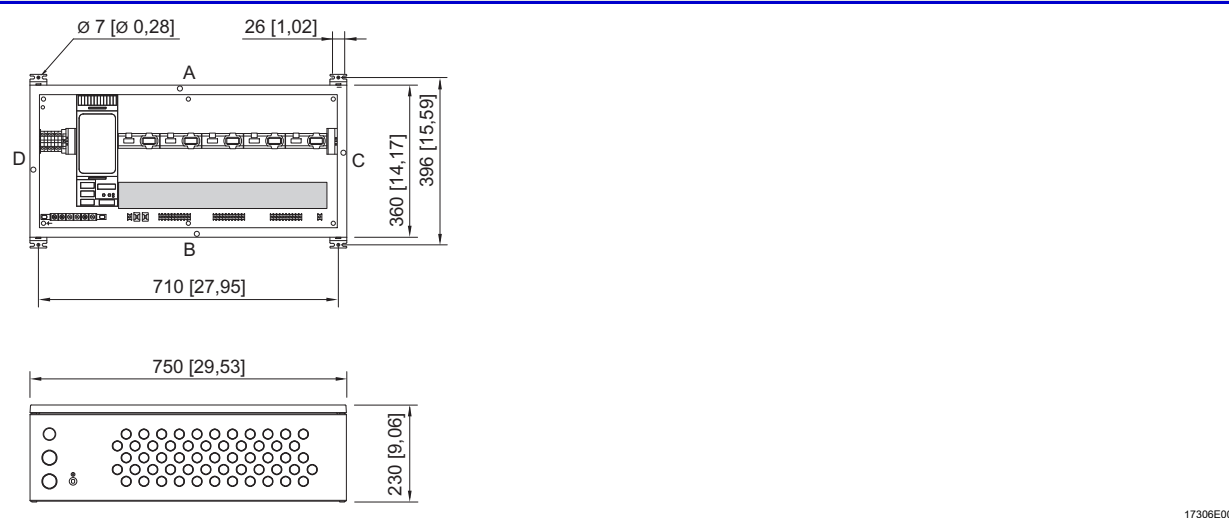


### Technical Data

<b>Version</b>	<b>IS1 RIO station 750 x 360 x 230 mm, 6 slots Zone 1</b>
	
<small>17274E00</small>	
<b>Modules / signals</b>	
Number of modules	1 x CPM and 5 x I/O modules
Number I/O signals	max. 40 analog or 80 digital signals
Max. internal power dissipation	38 W
<b>Built-in components</b>	
IS1+ BusRail	for 6 slots, with 2 end pieces begin + end
CPM socket	1 x 9490/11-12
Cable duct	1 x blue (100 x 60 mm)
Shield bus	1 x equipped with 2 x KLBÜ 3-8, 2 x AK16, 30 x AK4
Cable entries	
For bus/signals	56 x M20 x 1.5, blue, polyamide, clamping range 4...13 mm (R. STAHL type 8161/8-M20-1304)
Front door	1 x opening upwards, 3 x cam locks, with cover support right

A4

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



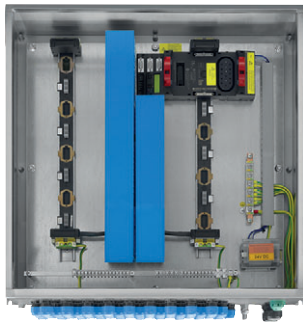
17306E00

# Standard enclosure for Remote I/O

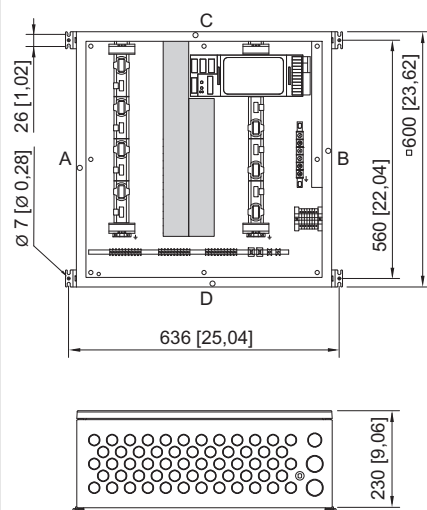
## Series 8150



### Technical Data

<b>Version</b>	IS1 RIO station 600 x 600 x 230 mm, 8 slots Zone 1	
		
	1727E00	
<b>Modules / signals</b>	Number of modules: 1 x CPM and 7 x I/O modules Number I/O signals: max. 56 analog or 112 digital signals Max. internal power dissipation: 40 W	
<b>Built-in components</b>	IS1+ BusRail: for 8 slots, with 2 end pieces begin + end, 1 x BusRail extension CPM socket: 1 x 9490/11-12 Cable duct: 2 x blue (100 x 60 mm), 1 x grey (25 x 25 mm) Shield bus: 1 x equipped with 2 x KLBÜ 3-8, 2 x AK16, 30 x AK4 Cable entries: 58 x M20 x 1.5, blue, polyamide, clamping range 4...13 mm (R. STAHL type 8161/8-M20-1304) Front door: 1 x opening to the left, 5 x cam locks	

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

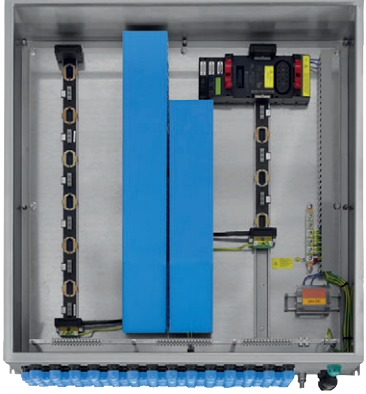


17501E00

# Standard enclosure for Remote I/O Series 8150

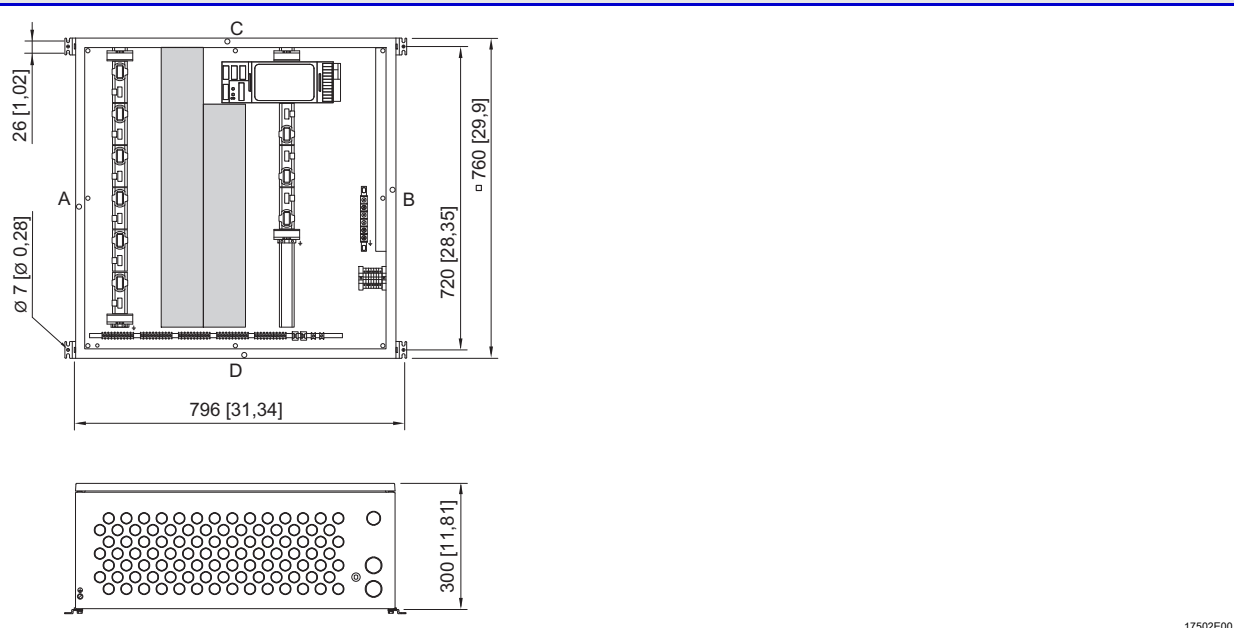


## Technical Data

<b>Version</b>	IS1 RIO station 760 x 760 x 230 mm, 10 slots Zone 1
	
<small>17281E00</small>	
<b>Modules / signals</b>	
Number of modules	1 x CPM and 8 x I/O modules
Number I/O signals	max. 64 analog or 128 digital signals
Max. internal power dissipation	59 W
<b>Built-in components</b>	
IS1+ BusRail	for 10 slots, with 2 end pieces begin + end, 1 x BusRail extension
CPM socket	1 x 9490/11-12
Cable duct	2 x blue (100 x 100 mm), 1 x grey (60 x 25 mm)
Shield bus	1 x equipped with 2 x KLBÜ 3-8, 2 x AK16, 50 x AK4
Cable entries	
For bus/signals	98 x M20 x 1.5, blue, polyamide, clamping range 4...13 mm (R. STAHL type 8161/8-M20-1304)
Front door	1 x opening to the left, 5 x cam locks

A4

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



# Standard enclosure for Remote I/O

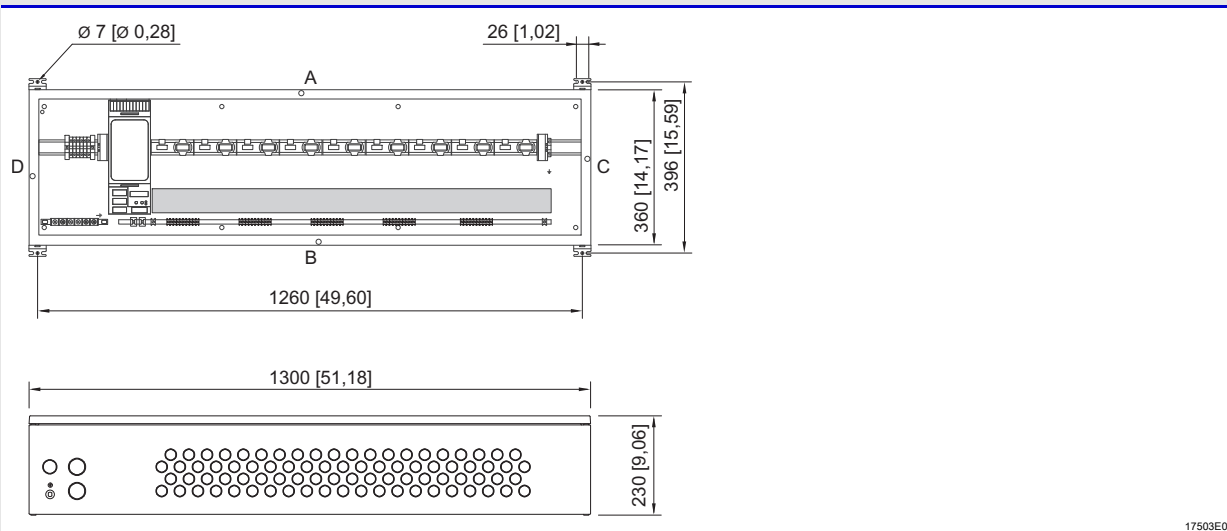
## Series 8150



### Technical Data

<b>Version</b>	IS1 RIO station 1300 x 360 x 230 mm, 10 slots Zone 1
17284E00	
<b>Modules / signals</b>	
Number of modules	1 x CPM and 8 x I/O modules
Number I/O signals	max. 64 analog or 128 digital signals
Max. internal power dissipation	58 W
<b>Built-in components</b>	
IS1+ BusRail	for 10 slots, with 2 end pieces begin + end
CPM socket	1 x 9490/11-12
Cable duct	1 x blue (100 x 60 mm)
Shield bus	1 x equipped with 2 x KLBÜ 3-8, 2 x AK16, 50 x AK4
Cable entries	
For bus/signals	82 x M20 x 1.5, blue, polyamide, clamping range 4...13 mm (R. STAHL type 8161/8-M20-1304)
Front door	1 x opening upwards, 4 x cam locks, 2 x cover support

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



17503E00

# Standard enclosure for Remote I/O Series 8150



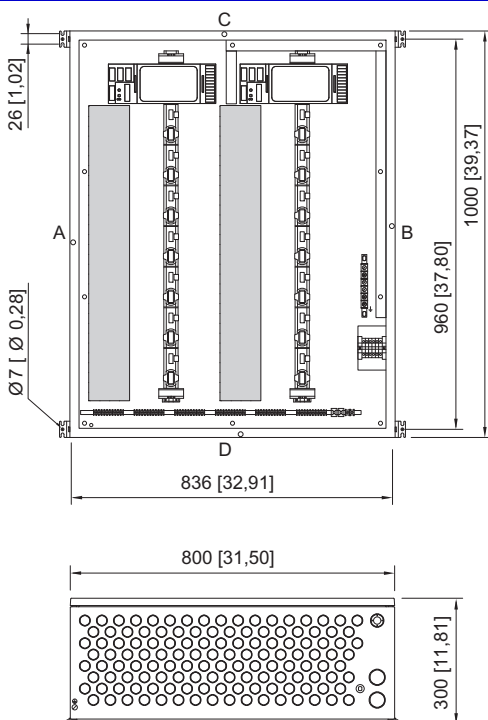
## Technical Data

<b>Version</b>	IS1 RIO Station 800 x 1000 x 230 mm, 2x 8 Slots Zone 1
	
<small>17279E00</small>	

<b>Modules / signals</b>	
Number of modules	2 x (1 x CPM and 7 x I/O modules)
Number I/O signals	max. 112 analog or 224 digital signals
Max. internal power dissipation	62 W

<b>Built-in components</b>	
IS1+ BusRail	for 16 slots, with 4 end pieces begin + end
CPM socket	2 x 9490/11-12
Cable duct	2 x blue (100 x 100 mm), 2 x grey (60 x 25 mm)
Shield bus	1 x equipped with 2 x KLBÜ 3-8, 2 x AK16, 50 x AK4
Cable entries	
For bus/signals	130 x M20 x 1.5, blue, polyamide, clamping range 4...13 mm (R. STAHL type 8161/8-M20-1304)
Front door	1 x opening to the left, 6 x cam locks

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



17504E00

A4

# Standard enclosure for Remote I/O

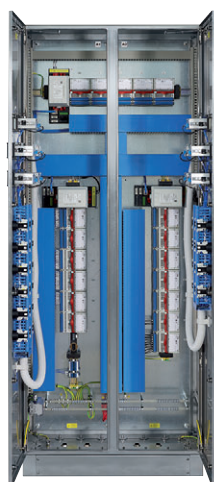
## Series 8150



### Special versions and options (longer delivery times)

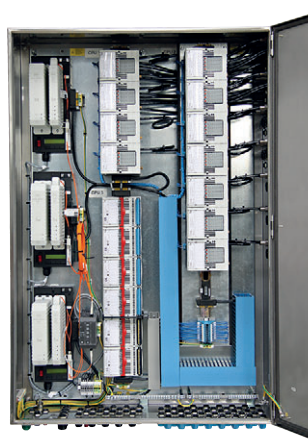
Version	Available options
Installation	Zone 2 / 21 / 22 / Non-Ex
Enclosure	1.4404 (V4A, AISI 316L) / paint
Door / cover	Right door stop/without door holder/without cover support/glass in door
Heater	against condensation / for ambient temperature < -20 °C
Cable entries	Series EMSKE brass nickel-plated / Series 8163 in brass, brass nickel-plated or stainless steel for armoured cables
Stopping plugs	Series 8290 (polyamide); Series 8292 (brass, brass nickel-plated or stainless steel)
Flanges	3 mm / 5 mm
Tag label	Resopal / stainless steel - glued / screwed (+text field)
Internal wiring	Halogen-free / single core marking
Auxiliary power	115 ... 230 V AC
Redundancy	System redundancy (2 x CPM)
Fieldbus	Optical fibre
	Other versions and options on request

### Customer-specific solutions - Examples (delivery times on request)



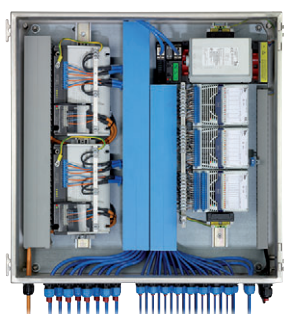
Zone 1 cabinet with double door and 3 Remote I/O systems

17512E00



Zone 1 field station with Ethernet-Remote I/O and integrated valve terminal (DOMV Series 9478)

17513E00



Zone 1 field station with PROFIBUS DP Remote I/O and FF H1 fieldbus coupler

17514E00



Zone 2 field station with front components and protective screen

17515E00

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.