

Base for CPU and power modules, Zone 2 Series 9496/35



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- > For storing IS1+ 9442 and 9445 CPU and power modules
- > Selector switch for configuring the communication protocol and the station address
- > Optional redundancy for CPU or power module
- > Mounting on DIN rail or right on mounting plate
- > Special aluminium profile provides stability and heat dissipation
- > Extended ambient temperature range of -40 to +75 °C for installation on mounting plate
- > Compatible with IS1+ BusRail 9494



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The 9496 base is connected to IS1+ BusRail 9494 and provides three slots for the 9442 and 9445 CPU and power modules. Alternatively, the CPU or power modules can be designed redundantly. The base and the BusRail are used to connect the I/O modules with the high-speed data bus and the Ex i power supply. The bus protocol and RS-485 address are defined using a rotary switch. The base is mounted on a DIN rail and can be screwed onto a metallic mounting plate for increased ambient loads (vibrations, temperatures up to +75 °C).

It replaces the 9492/15 base of the 9441/15 IS1 Ethernet CPU module and 9444/15 power module (together with the 9442/35 CPU module and 9445/35 power module)

Required component for replacement: the IS1 9440/15 fieldbus CPM module (together with 9442/35 CPU module and 9445/35 power module)

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

WebCode 9496A

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Selection Table

Versions	Installation in	Description	Order number	Weight kg
Base for CPU and power modules	Zone 2 and safe area	3 slots (for up to 1 x CPU + 2 x PM or 2 x CPU + 1 x PM)	9496 / 35 - 03 - 00	0,4

Explosion Protection

Global (IECEX)

Gas	IECEX PTB 17.0026X Ex ia IIC T4 Gc
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Europe (ATEX)

Gas	PTB 17 ATEX 2010 X ⊕ II 3 G Ex ia IIC T4 Gc
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Certifications and certificates

Certificates	IECEX, ATEX
Ship approval	In progress

Further parameters

Installation in	Zone 2 and safe area
Further information	see operating instructions and certificates

Technical Data

Electrical data

Slots	
Number of slots	3 (for IS1+ 9442/35 remote I/O CPU module and 9445/35 power module)
Configuration for redundant power supply	1 x 9442/35 CPU and 2 x 9445/35 power module
Configuration for redundant power communication	2 x 9442/35 CPU and 1 x 9445/35 power module
Power supply	from 9445/35 power module
Max. power consumption	125 W
Max. power dissipation	0.5 W
Communication with I/O modules	via BusRail 9494
Electromagnetic compatibility	Tested to the following standards and regulations: EN 61326-1 (2013) IEC 61000-4-1 to 61000-4-6, NAMUR NE 21

Settings

CPU communication protocol	Selection using S1 rotary switch
Supported protocols	PROFIBUS DP V1 PNO red. HART, PROFIBUS DP V1 STAHL red. HART, Modbus RTU, Modbus TCP, Ethernet/IP, PROFINET
RS-485 address setting	S2 and S3 rotary switches (for PROFIBUS DP, Modbus RTU and service bus)
Service bus address	Identical to RS-485 address

Ambient conditions

Ambient temperature	Mounting on DIN mounting rail (BusRail) and fastening with screws on a carrier plate, -40 to +75 °C Mounting on DIN mounting rail (BusRail) without a carrier plate, -40 to +65 °C
Storage temperature	-40 to +80 °C
Maximum relative humidity	95 % (without condensation)
Maximum operating height	< 2000 m
Semi-sinusoidal shock (IEC EN 60068-2-27)	15 g (3 shocks per axis and direction)
Sinusoidal vibration (IEC EN 60068-2-6)	1 g in the frequency range 10 to 500 Hz 2 g in the frequency range 45 to 100 Hz

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Technical Data

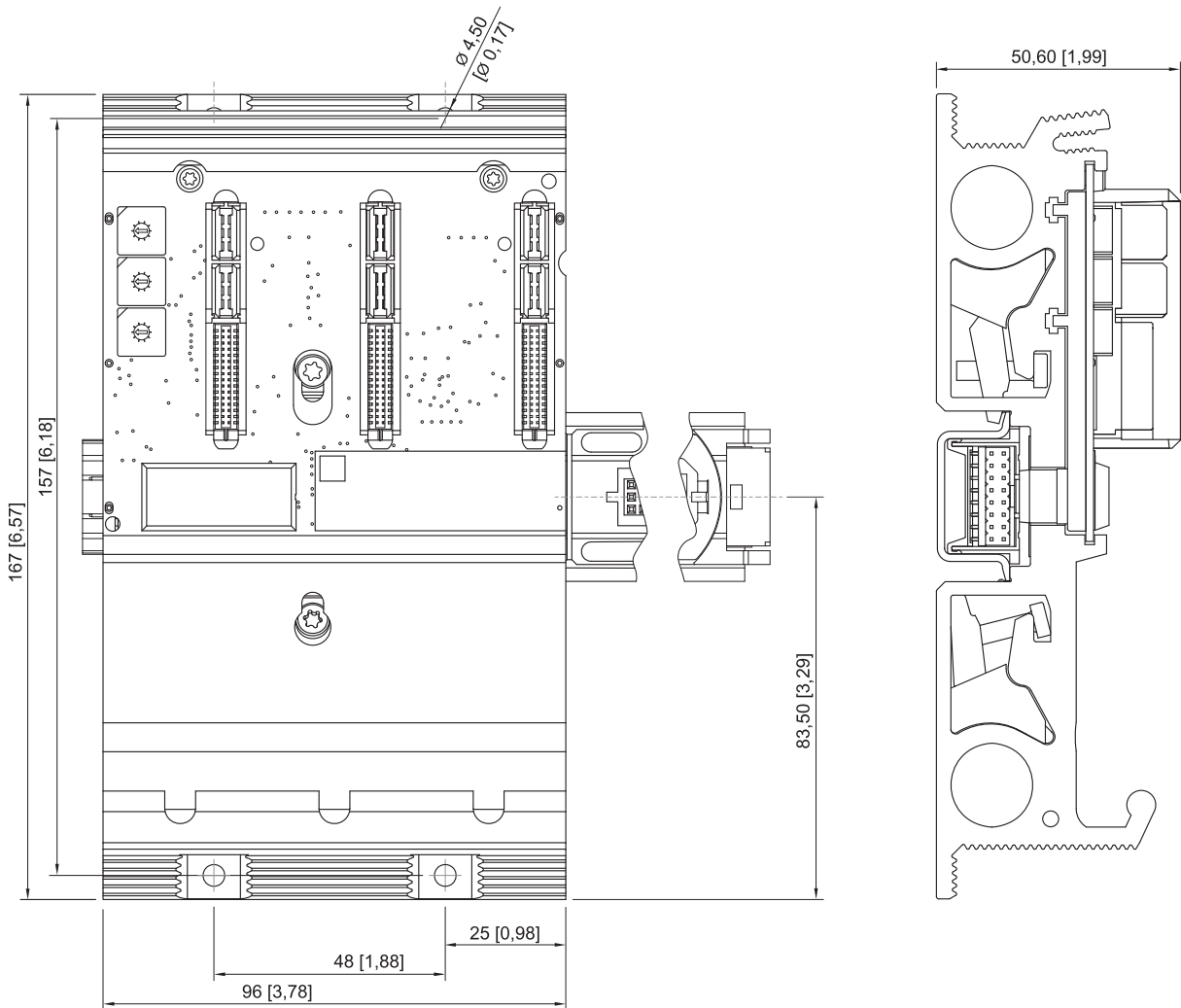
Mechanical data

Degree of protection (IEC 60529)	IP20
Material	
Enclosure	Seawater-resistant aluminium
Fire resistance (UL-94)	V2
Pollutant class	corresponds to G3
Dimensions	L = 167 mm, W = 96 mm, H = 50.6 mm
Degree of pollution	2

Mounting / Installation

Installation conditions	
Mounting type	On 35 mm DIN rail NS 35/15 (DIN EN 60715) or mounting plate
Mounting position	Horizontal or vertical (observe operating instructions)
Screw version	Torx 20

Dimensional drawings (all dimensions in mm [inches]) – Subject to modification





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Accessories and Spare Parts

Designation	Figure	Description	Art. no.	Weight kg
IS1+ CPU module	 19695E00	Communication / Gateway module for IS1+ remote I/O station Webcode: 9442A	246854	1,3
IS1+ power module	 19596E00	Power module for IS1+ CPU 9442/35 and I/O modules Webcode: 9445A	257290	1,3

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.