Remote I/O

IS1+ Remote I/O Base for CPU and power module
For Zone 1
9496/32-04-00 Art. No. 290162

- For mounting 9442 IS1+ CPU modules and 9445 power modules
- Selector switch for configuring the communication protocol and the station address
- Redundancy for CPU or power module
- Mounting on DIN rail or on mounting plate itself
- Special aluminium profile provides increased stability and heat dissipation
- Extended ambient temperature range from -40 to +75 °C when
  installed on mounting plate
- Compatible with 9494 IS1+ BusRail

MY R. STAHL **9496B**

The 9496 socket is attached to the 9494 IS1+ BusRail and has four slots for the 9442 CPU modules and 9445 power modules. Alternatively, the CPU or power modules can be designed to be redundant. The socket and the BusRail are used to connect the I/O modules to the high-speed data bus and the Ex i power supply. The bus protocol and RS485 address are defined using a rotary switch. The socket is mounted on a DIN rail and can be screwed onto a metal mounting plate for increased ambient loads (vibrations, temperatures up to +75 °C).

Technical Data

Explosion Protection	
Application range (zones)	1 2
Ex interface zone	1 2
IECEx gas certificate	IECEx PTB 17.0026X
IECEx gas explosion protection	Ex ia IIC T4 Gb
ATEX gas certificate	PTB 17 ATEX 2010 X
ATEX gas explosion protection	II 2 G Ex ia IIC T4 Gb
Certificates	ATEX (PTB), Canada (FM), China (NEPSI), IECEx (PTB), India (PESO), USA (FM)
Ship approval	BVIS, EU RO MR (DNV), KR, LR
Installation	Zone 1
Electrical Data	
Number of slots	4
Configuration for redundant supply	1x CPU 9442/32 2x PM 9445/32
Configuration for redundant communication	2x CPU 9442/32 1x PM 9445/32
Assignment for redundant system	2x CPU 9442/32 2x PM 9445/32
Protocols	EtherNet/IP Modbus TCP PROFIBUS DP V1 PNO red. HART PROFIBUS DP V1 STAHL red. HART PROFINET
Protocol setting	Via rotary switch S1
Address setting RS485	Via rotary switches S2 and S3 (for Profibus DP and ServiceBus)
ServiceBus address setting	Identical to RS485 address

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Electrical Data	
Communication with I/O modules	Via BusRail 9494
Auxiliary Power	
Nominal voltage	24 V
Power supply	via power module 9445/32
Auxiliary power voltage range	19 to 32 V DC
Max. power consumption	125 W
Max. power dissipation	0.5 W
Galvanic Isolation	
Auxiliary power/system components	1500 V AC
Ambient Conditions	
Ambient temperature	-40°C ... +65°C (without mounting plate) -40°C ... +70°C (With 3 mm sheet steel mounting plate) -40°C ... +75°C (With 6 mm aluminium mounting plate)
Ambient temperature	-40°F ... +149°F (without mounting plate) -40°F ... +158°F(With 3 mm sheet steel mounting plate) -40°F ... +167°F(With 6 mm aluminium mounting plate)
Storage temperature	-40°C ... +80°C
Max. operating altitude	< 2000 m
Max. relative humidity	95% (without condensation)
Mechanical Data	
Degree of protection (IP) (IEC 60529)	IP20
Module enclosure	Seawater-resistant aluminium
Fire resistance (UL 94)	V2
Pollutant class	Corresponds to G3
Width	152 mm
Depth	50.6 mm
Length	167 mm
Weight	600 g
Weight	1.32 lb
Mounting / Installation	
Mounting type	on NS 35/15 DIN rail (DIN EN 60715) Mounting plate
Mounting orientation	Horizontal Vertical

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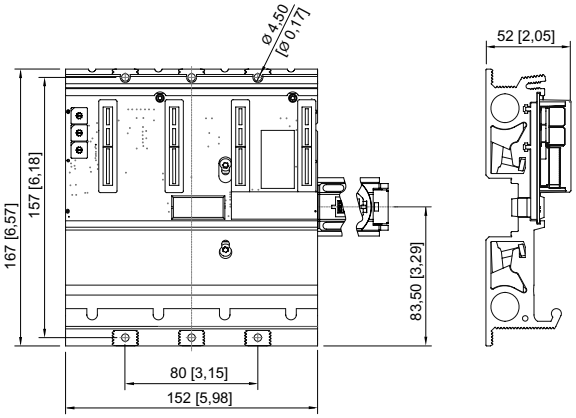
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



9496/3x-04

Spare Parts

Socket Slot Plug Cover		Art. No.
		252731

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.