Remote I/O

Remote I/O IS1+ BusRail end piece Beginning

9494/A1-B0 Art. No. 261933

- For the internal electrical connection between CPU & power module and 8 I/O modules for Div. 1, Zone 1 and 16 /IO modules for Div. 2, Zone 2
- Redundant data bus, power bus with high availability
- Simple, protected installation in NS35/15 DIN rails
- Passive component with redundancy and high availability

MY R. STAHL **9494A**

The series 9494 bus rails are used as a backplane bus for the IS1+ remote I/O system. They include an Ex i power bus boasting high availability, a redundant Ex i data bus and address lines. The bus rails are available for 2 or 4 modules and can be combined for up to 18 slots. The BusRail extension cable can be used to place BusRail segments anywhere in the field enclosure.

Technical Data

Explosion Protection	
Application range (zones)	1, 2
IECEx gas certificate	IECEx PTB 17.0013X
IECEx gas explosion protection	Ex ia IIC T4 Gb
ATEX gas certificate	PTB 17 ATEX 2003 X
ATEX gas explosion protection	II 2 G Ex ia IIC T4 Gb
FMus certificate	FM17US0332X
cFM certificate	FM16CA0134X
Marking cFMus	IS, Class I,II,III, Div. 1, Groups A,B,C,D; Class I, Zone 1, AEx/Ex ia Group IIC T4 at Ta = 75°C See Doc. 9494 6 031 001 1
Certificates	ATEX (PTB), Brazil (ULB), Canada (FM), China (NEPSI), IECEx (PTB), Korea (KTL), USA (FM)
Ship approval	ABS, BVIS, EU RO MR (DNV), KR, LR
Declaration of conformity	ATEX (EUK), China (CCC)
Electrical Data	
Version	Beginning
Engineering note	The BusRail is available in lengths for 2 or 4 modules. One end piece each is necessary at the beginning and the end. The end pieces are available as "BusRail beginning" and "BusRail end" as well as with an integrated connecting line. The connecting line allows for multiple BusRail segments to be set up in one enclosure.
Ambient Conditions	
Ambient temperature °C	-40°C ... +75°C
Ambient temperature °F	-40°F ... +167°F
Storage temperature °C	-40°C ... +80°C
Max. relative humidity	95% (without condensation)
Max. operating altitude	< 2000 m
Max. operating altitude	2000 m

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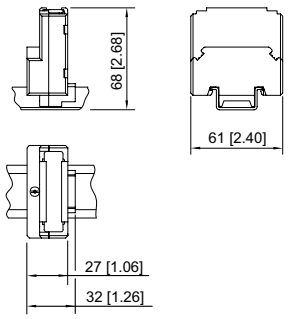
Ambient Conditions	
Shock (semi-sinusoidal)	(IEC EN 60068-2-27) 15 g (3 shocks per axis and direction)
Vibration (sinusoidal)	(IEC EN 60068-2-6) Frequency range 2 … 13.2 Hz Amplitude 1 mm (peak value) Frequency range 13.2 … 100 Hz Acceleration amplitude 0.7 g
Electromagnetic compatibility	Tested to the following standards and regulations: EN 61326-1 (2006) IEC 61000-4-1 to 61000-4-6, NAMUR NE 21
Mechanical Data	
Degree of protection (IP) (IEC 60529)	IP30
Module enclosure	PA6
Fire resistance (UL 94)	V2
Pollutant class	Halogen-free
Max. auxiliary contact connection cross-section, solid	1.2 mm²
Width	32 mm
Height	68 mm
Length	61 mm
Weight	44 g
Mounting / Installation	
Mounting type	on NS 35/15 DIN rail (DIN EN 60715)
Mounting position	Left, at the beginning of the BusRail
Mounting orientation	Horizontal Vertical

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



BusRail end piece beginning / end

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.