Features

- 2 outputs Ex nL, expandable to up to 26 with short-circuit protection
- · High-Power Trunk for high device count and long cable runs
- Segment Protector in Zone 2/Div. 2
- Instruments in Zone 2/Div. 2
- For FOUNDATION Fieldbus H1 and PROFIBUS PA
- · Power, Com, and Error LEDs
- · Integrated overvoltage protection

Function

The modular Segment Protector, a fieldbus coupler for DIN rail, connects instruments to the fieldbus segment. It features the most compact design and easily expandability for skidmount applications.

The trunk module connects the Segment Protector to the segment. Expansion modules snap side-by-side interconnected via a system plug. The high-availability terminator is mounted at the output. As it is removed for network extensions proper termination is always ensured.

Short-circuit protection ensures proper operation of the segment in case of faults or hot work. Integrated LEDs simplfy troubleshooting and help decrease repair time.

All connectors are plug-in type with receptacles for measuring tools, such as the mobile ADM. This leaves the wiring undisturbed. Any grounding and shielding concept is possible with FieldConnex enclosure solutions.

Assembly







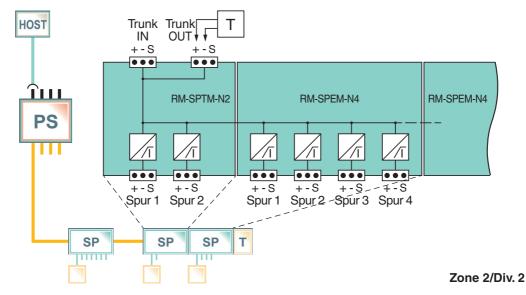








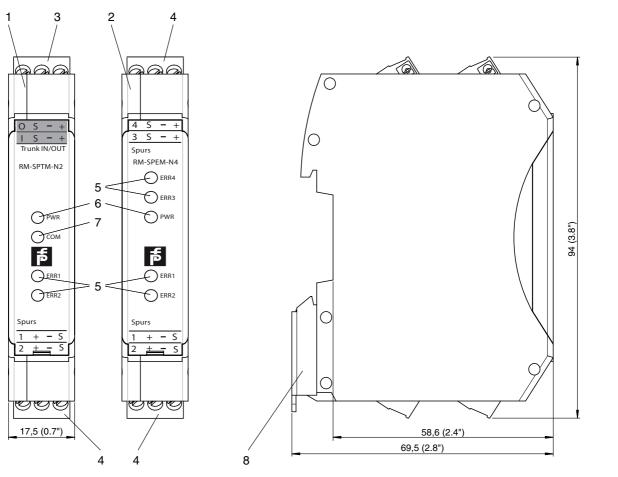
Connection



General information

Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com.

Dimensions



all dimensions in millimeters (mm) and inch (") without tolerance indication Description:

- 1 Trunk Module RM-SPTM-N2
- 2 Extension Module RM-SPEM-N4
- 3 Trunk connection
- 4 Spur connection
- 5 LED Spur (Error)
- 6 LED PWR (Power)
- 7 LED COM (Communication)
- 8 Fixing strap

Installation note

see manual

Technical data depending on model

RM-SPTM-N2 RM-SPEM-N4

Calculations:

Total power loss = 0.2 W + n * 0.1 W

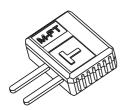
Total current consumption = 7 mA + n * 3.5 mA

n = number of Extension Modules RM-SPEM-N4

Bus Connector Module RM-BP (packaging unit = 3 pieces).

One Bus Connector Module included with each Trunk Module RM-SPTM-N2 and Expansion Module RM-SPEM-N4.

This DIN rail preassembled system plugs providing the interconnection of the Trunk Module RM-SPTM-N2 with one or more Expansion Modules RM-SPEM-N4. To create a combination of Modular Segment Protector Modules one Bus Connetor Module is requires for each of them.



Fieldbus Terminator M-FT (packaging unit = 3 pieces).

One Terminator included with each Trunk Module RM-SPTM-N2.