Serial essernet Interface redundant (SEI2red) 62.5 kBd

Part-No.: 784852

The serial essernet Interface redundant (SEI2red) connects ESSER fire alarm control panels to management systems, other essernet sub-networks or to an essernet backbone.
Up to 16 devices @ 16.5 kBd (SEI1, SEI2, FACP FlexES Control) can be configured in the backbone according to the known network rules, this means max. 10 SEI2 + 6 FACP's @ 16.5 kBd (backbone)and up to 150 panels in ten subnets (each with max. 15 panels / and one SEI2/SEI2red – 16 essernet nodes), Total system = 156 panels (backbone and subnets)The SEI2 of the backbone must be configured as sub-control panels.
Together with the up to 10 subnets, a hierarchical system is formed, as statuses can be sent from the subnet to the backbone and commands can be sent from the backbone to the subnet.Commands for primary lines (from the backbone to the subnet) must be blocked with command filters depending on the system.Statuses (messages) in the backbone which are sent to the router must also be blocked with filters.The transmission of statuses and commands from one subnet to another is not possible. The subnets are subordinate, and their information is sent to the higher level backbone. In the backbone, this information is evaluated according to the known network rules, logged and linked.

Features:

- Up and up to 16 devices @ 16.5 kBd (SEI1, SEI2, FACP FlexES Control) can be configured in the backbone according to the known network rules, this means max. 10 SEI2 + 6 FACP's @ 16.5 kBd (backbone)and up to 150 panels in ten subnets (each with max. 15 panels / and one SEI2/SEI2red – 16 essernet nodes), Total system = 156 panels (backbone and subnets)
- The SEI2 of the backbone must be configured as sub-control panels.
- Together with the up to 10 subnets, a hierarchical system is formed, as statuses can be sent from the subnet to the backbone and commands can be sent from the backbone to the subnet.
- Commands for primary lines (from the backbone to the subnet) must be blocked with command filters depending on the system.
- Statuses (messages) in the backbone which are sent to the router must also be blocked with filters.
- The transmission of statuses and commands from one subnet to another is not possible. The subnets are subordinate, and their information is sent to the higher level backbone. In the backbone, this information is evaluated according to the known network rules, logged and linked

Operating voltage	10,5 ... 30 V DC
Current consumption	without essernet module approx. 30 mA @ 12 V DC / approx. 20 mA @ 24 V DC and with essernet module approx. 130 mA @ 12 V DC / approx. 70 mA @ 24 V DC
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-10 °C ... 50 °C
Air humidity	< 95 %
Type of protection	IP 30
Housing	ABS plastic, 10% glass fibre reinforced, V-0
Material	gray, similar to Pantone 538
Color	grey, similar to Pantone 538
Dimensions	W: 270 mm H: 221 mm D: 75 mm

The essernet modules (MAIN and RED./redundant) are included in the SEI2red at the factory and are required for the connection with other essernet devices. The use of SEI2/SEI2red in backbone objects or for the connection of DTS (Distributed Temperature Sensing/Linear Heat Detection) requires project verification and approval by the TSC (Technical Solution Center) department. Please consider our separate release form in the download area - "Release form for SEI.2 serial essernet interface"!

Accessories:

All	of the following modules are equipped with electric isolation and reverse polarity protection. Two modules that are the same are required for redundant use.
784870	M4-RS232-iso Interface module
784871	M4-RS485-iso Interface module
784872	M4-TTY Interface module

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