



RSP Managed Industrial DIN Rail Fast/Gigabit Ethernet Switches

Guarantee uninterrupted data communication even under the harshest conditions

In networks that combine Fast and Gigabit Ethernet speeds, choose the RSP switches, which enable the integration of new redundancy protocols and allow uninterrupted data communication. These hardened managed Industrial DIN Rail Fast and Gigabit Ethernet switches support comprehensive redundancy protocols like PRP (Parallel Redundancy Protocol), HSR (High-availability Seamless Redundancy), DLR (Device Level Ring) and provide optimum flexibility with several thousand variants.

The RSP Switch features 11 Fast Ethernet ports, 3 Fast or Gigabit Ethernet uplink ports for SFP transceivers and up to 7 SFP slots. Fiber uplink ports are available in multimode and/or singlemode. You can choose one of our most common configurations or you can easily customize a switch to your environment.

The Benefits

Extensive security functions – guarantee all-around protection against network-borne attacks and operator errors

Precision time synchronization – in accordance with IEEE 1588v2, which enables applications to comply with stringent real-time requirements

Extremely ruggedized – robust hardware and powerful operating system to withstand extremely harsh environmental conditions

Markets

- Power Transmission & Distribution
- Renewable Energies
- Machine Building
- Transportation
- Security Applications

Standard Variants

Part Number	Type	Product Description
942 053-018	RSP20-8TX/3SFP-2A	11 x FE TX, 3 x FE SFP, 2 x 24-48 V DC, 0 °C to +60 °C, HiOS L2A
942 053-019	RSP25-8TX/3SFP-EEC-3S	11 x FE TX, 3 x FE SFP, 2 x 24-48 V DC, -40 °C to +70 °C, HiOS L3S, enhanced redundancy
942 053-020	RSP25-8TX/3SFP-EEC-2HV-3S	11 x FE TX, 3 x FE SFP, 2 x 60-250 V DC, -40 °C to +70 °C, HiOS L3S, enhanced redundancy
942 053-021	RSP30-8TX/3SFP-2A	11 x FE TX, 3 x GE SFP, 2 x 24-48 V DC, 0 °C to +60 °C, HiOS L2A
942 053-022	RSP35-8TX/3SFP-EEC-3S	11 x FE TX, 3 x GE SFP, 2 x 24-48 V DC, -40 °C to +70 °C, HiOS L3S, enhanced redundancy
942 053-023	RSP35-8TX/3SFP-EEC-2HV-3S	11 x FE TX, 3 x GE SFP, 2 x 60-250 V DC, -40 °C to +70 °C, HiOS L3S, enhanced redundancy

Technical Information

Product Description				
Type	RSP20	RSP30	RSP25	RSP35
Description	Managed, Industrial Switch DIN Rail, fanless design, seamless redundancy protocols*			
Port Type and Quantity	4 x FE TX + 7 x FE SFP ports or 8 x FE TX + 3 x FE SFP ports	4 x FE TX + 4 x FE SFP + 3 x FE/GE SFP ports or 8 x FE TX + 3 x FE/GE SFP ports	4 x FE TX + 7 x FE SFP ports or 8 x FE TX + 3 x FE SFP ports	4 x FE TX + 4 x FE SFP + 3 x FE/GE SFP ports or 8 x FE TX + 3 x FE/GE SFP ports
Enhanced Redundancy Functions*			Fast MRP, HSR, PRP, DLR	
Interfaces				
V.24 Interface	1 x RJ11 socket			
SD Interface	1 x SD socket (ACA31-SD adapter)			
Power Requirements				
Operating Voltage*	12 - 48 V DC (redundant power input), 60 - 250 V DC and 110 - 230 V AC (redundant)			
Power Consumption*	15 to 24 W			
Ambient Conditions				
Operating Temperature*	0 °C to +60 °C, -40 °C to +70 °C (IEC 60068-2-2 Dry Heat Test +85 °C 16 hours)			
Conformal Coating	Optional			
Mechanical Construction				
Dimensions (W x H x D)*	90/98 x 164 x 120 mm			
Weight*	1.2 kg to 1.5 kg			
Protection Class	IP30			
Software				
Supported Software Levels*	HiOS Layer 2 Standard (L2S), Layer 2 Advanced (L2A), Layer 3 Standard (L3S)			
Approvals				
Safety of Industrial Control Equipment*	cUL508			
Hazardous Locations*	IECEx Zone 2, ISA12.12.01 class 1 div. 2, ATEX Zone 2			
Ship*	DNVGL			
Transportation*	NEMA TS2, EN50121-4			
Substation*	IEC 61850-3, IEEE 1613			

* Depending on the selected variant



NOTE: Did not find a suitable product?

Please visit our website for more configurations and the complete technical specifications: [RSP Series](#)