



Product	EL-100-2MA	EL-1000-4GM
Description	Fast Ethernet switch, managed	Gigabit Ethernet switch, managed
Article no.	04420001000 x 000 xxx	0510 x 10 xxxx
Port type and amount	8 Ports in total, max. 4 x 100BASE-FX Ports: ST or SC, max. 8 x 10/100BASE-TX Ports: RJ45	Max. 10 Ports in total, max. 2 x 1000BASE-SX/LX Ports: SC or SFP, max. 8 x 10/100/1000BASE-TX Ports: RJ45
LEDs/interfaces		
Status LEDs	Failure (red)/Ports (green/yellow)/Power (green)/Ring (green)	
Failure relay (load capacity)	24 VDC (1A) / 60 VDC (0.3 A)	
Connector	4 pin terminal (redundant supply)/ 4 pin terminal (2 x fault relay)/USB/Sub-DB9	6 pin terminal (redundant supply, fault relay), USB
Fiber type/range/budget		
Twisted pair	0 m – 100 m (Cat5e)	0 m – 100 m (Cat 6)
Multimode 50/125 µm (1 dB/km)	0 m – 5 km, optical budget 13 dB with 1300 nm	0 m – 550 m, optical budget 7.5 dB with 850 nm
Multimode 62.5/125 µm (1 dB/km)	0 m – 5 km, optical budget 13 dB with 1300 nm	0 m – 275 m, optical budget 7.5 dB with 850 nm
Singlemode 9/125 µm (0.3 dB/km)	0 m – 30 km, optical budget 16 dB with 1310 nm (other distances on request)	0 m – 10 km, optical budget 10.5 dB with 1310 nm (other distances on request)
Supply		
Power supply	12 – 60 VDC (redundant)	
Power consumption at 24 VDC	8 watt, 330 mA	
Management		
Management	SNMP-Management / Web-Interface-Management	
Standards	IEEE 802.3 10BASE-T/IEEE802.3u 100BASE-T(X) and 100BASE-FX/IEEE802.3 Flow Control and Backpressure/ IEEE 802.1d Spanning Tree/IEEE 802.1w Rapid Spanning Tree/IEEE 802.1p Class of Service/IEEE 802.1Q VLAN-Tag	
Protocols	PROFINET class B, Netload class III	
MIB	RFC 1213 MIBII / RFC 1493 bridge MIB / RMON RFC 1757 / RFC 2674 VLAN MIB / RFC 1643 Ethernet as MIB / RFC 1215 Trap MIB private MIB for switch informations, ring, port alarm, TFTP firmware update, reset, port mirror, IP security management, IGMP management MIB	
Redundancy	Media redundancy protocol (MRP) according to IEC 62429-2 / rapid spanning tree protocol (RSTP)	
Other	SNTP for time synchronisation / IGMP v1 and query modus with 256 groups / DHCP client function / TFTP firmware, TFTP backup and recovery / ingress and egress bandwidth control	
Permissible ambient conditions		
Operating temperature	-40 °C – +55 °C	-40 °C – +70 °C
Constructive design		
Dimensions (W x H x D)	70 mm x 156 mm x 130 mm	30 mm x 165 mm x 101 mm
Assembly	DIN rail	
Weight	850 g	500 g
IP protection class	IP 20	
Housing	Stainless steel, powder coated	Stainless steel, powder coated
Technical approvals		
Basis	CE	
Security for industrial control equipment	UL 61010-1, CAN/CSA-C22.2 No. 61010-1-12 UL 61010-2-201, CSA-C22.2 No. 61010-2-201	



SAP no.	8TX	6TX/2FX	4TX/4FX	SAP no.	6TX/2FX	8TX/2FX
EL-100-2MA/RJ45	10007222	—	—	EL-1000-4GM/MM/SC	—	10007875
EL-100-2MA/MM/SC	—	10007218	10007229	EL-1000-4GM/SM/SC	—	10007876
EL-100-2MA/SM/SC	—	10007219	10007226	EL-1000-4GM/SFP	10007877	—

Others on request