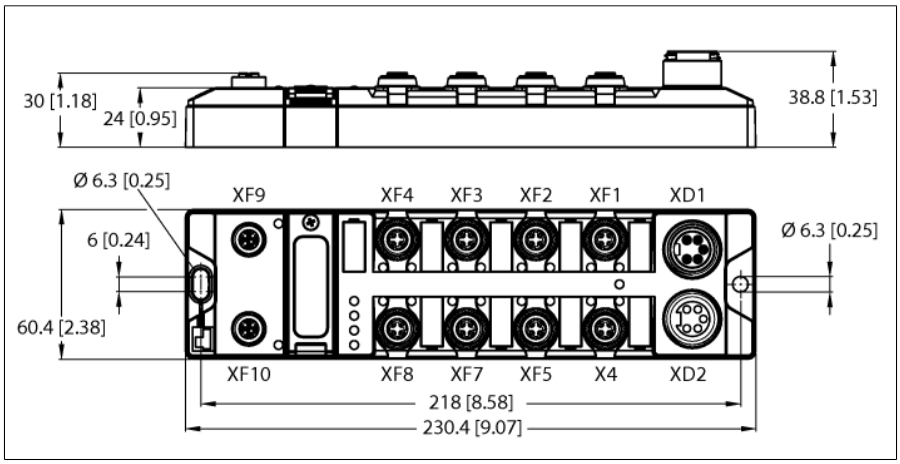
Managed Ethernet Switch
8x 100-Mbit Ports, 2x 1-Gbit Ports
TBEN-L5-SE-M2



Type designation	TBEN-L5-SE-M2
Ident-No.	100004425
Supply	
Supply voltage	24 VDC
Admissible range	8…30 VDC with load dump protection
Voltage supply connection	5-pin male 7/8" connector
System data	
Transmission rate Ethernet	10 Mbps/100Mbps/1Gbps
Connection technology Ethernet	2 × M12, 8-pin, X-coded 8 × M12, 4-pin, D-coded
Web server	Default: 192.168.1.100
Frame forwarding	cut through
Standard/Directive conformity	
Vibration test	acceleration to 20 g acc. to EN 60068-2-6
Shock test	acc. to EN 60068-2-27
Drop and topple	acc. to EN 60068-2-31/IEC 60068-2-32
Electromagnetic compatibility	acc. to EN 61131-2
Approvals and certificates	CE, UV-resistant in accordance with DIN EN ISO 4892-2A (2013)
General Information	
Dimensions (W x L x H)	60.4 x 230.4 x 39mm
Operating temperature	-40…+70 °C
Storage temperature	-40 °C … +85 °C
Altitude	max. 5000 m
Protection class	IP65 IP67 IP69K
MTTF	82 years acc. to SN 29500 (Ed. 99) 20 °C
Housing material	PA6-GF30
Housing color	Black
Window material	Lexan
Material screw	303 stainless steel
Material label	Polycarbonate
Halogen-free	yes
Mounting	2 mounting holes □ 6.3 mm

- **Cut-through forwarding**
- **2 × M12, 8-pin, X-coded, 1 Gbps high-speed backbone**
- **8 × M12, 4-pin, D-coded, 100 Mbps**
- **Glass fiber reinforced housing**
- **Shock and vibration tested**
- **Fully potted module electronics**
- **Protection classes IP65, IP67, IP69K**
- **7/8" males, 5-pin, for power supply**
- **Galvanically isolated voltage groups**
- **Web-based management**
- **Quick Link-Up**
- **Firewall**
- **Network load monitoring**
- **Cable diagnostics**
- **Configurable LAN/WAN zones**
- **NAT routing**
- **VLAN according to IEEE 802.1q**
- **Prioritization according to IEEE 802.1p**
- **PROFINET Conformance Class A**
- **Single hop inter-VLAN routing**
- **DHCP server/client**
- **Port-based IP address assignment**
- **IGMP (snooping/querier)**
- **Media redundancy RSTP**
- **HTTP, HTTPS, LLDP, NTP, SNMP V1–V3**
- **Port mirroring**

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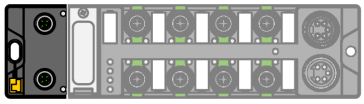
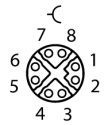
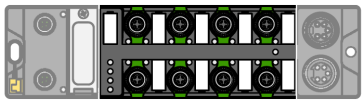
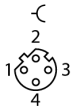
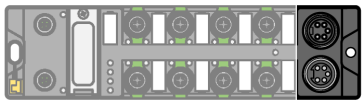
	**Accessories** Ethernet cable (example): RSSX RSSX 860-2M Ident.-no. UX04304	M12 × 1 Ethernet  XF9, XF10 1 = TxD1 + 2 = TxD1 – 3 = RxD2 + 4 = RxD2 – 5 = BID4 + 6 = BID4 – 7 = BID3 + 8 = BID3 – flange = FE
	**Accessories** EtherNet/IP cable (example): RSSD RSSD 441-2M Ident. no. U-02482 PROFINET cable (example): RSSD RSSD 443-2M Ident. no. U-45540	M12 × 1 Ethernet  XF1…XF8 1 = TX + 2 = RX + 3 = TX – 4 = RX – flange = FE
	**Accessories** Power supply cable (example): RSM RKM 50-2M Ident. no. U2282-0	7/8" Power Supply 1 = GND V2 2 = GND V1 3 = FE 4 = 24 VDC V1 5 = 24 VDC V2

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