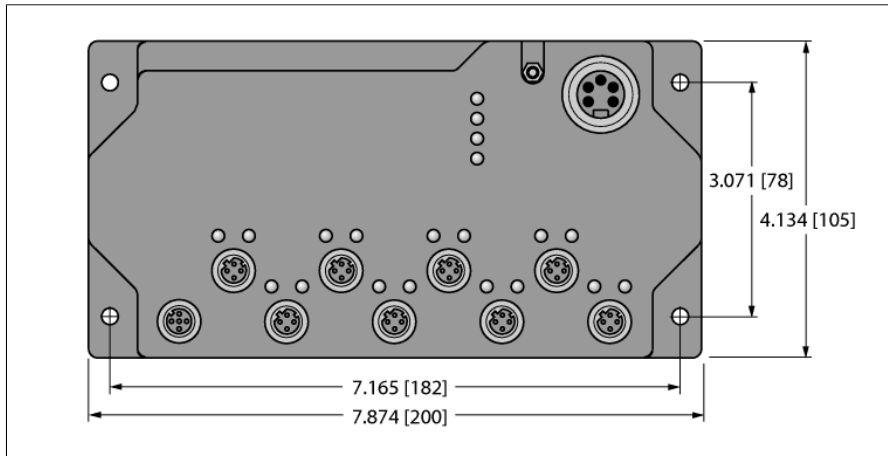


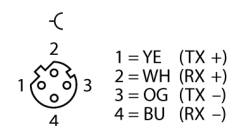
Industrial Ethernet Managed Switch SE-44M-E924



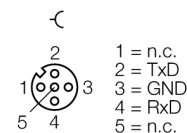
Type designation	SE-44M-E924
Ident-No.	U3-00775
Supply voltage	24 VDC
Admissible range	10...30 VDC
Power consumption	≤ 2 W
Transient Protection	15,000 Watts Peak
Spike Protection	5,000 Watts (10 times for 10 µs)
Voltage supply connection	5-pin male 7/8" connector
Fieldbus transmission rate	10 Mbps/100 Mbps
Ethernet Compliance	IEEE 802.3 (10 Mbps Ethernet) IEEE 802.3u (100 Mbps Ethernet) IEEE 802.3.3 x (Full-Duplex with Flow Control) IEEE 802.1D/w (RSTP for redundant rings) IEEE 802.1 p (Priority Queuing - Qos, CoS, ToS/DS) IEEE 802.1Q (VLAN for traffic segregation)
Communication Ports	8 ports (managed) + 1 RS232 config. port
Fieldbus connection technology	Female connector, M12 x 1, 4-pin, D-coded
MAC Addresses	2048
Memory bandwidth	3.2 Gbps
Latency (typical)	@100 Mbps: 5 µs + frame time; @10 Mbps: 16 µs + frame time
Electrical isolation	1500 VRMS 1 minute
Electromagnetic compatibility (EMC)	Per EN 50155
Dimensions	200.0x30.0x105.0 mm
Weight	1059 g
Operating temperature	-40 to +75 °C
Storage temperature	-40 to +85 °C
Relative humidity	5 to 95% (non-condensing)
Vibration and shock testing	According to IEC 60068-2-6
Protection class	IP67
Mounting	Machine mount (4 x M5 or #10 screws, not included)
Housing material	Nylon (brass-nickle receptacles)
Approvals and certificates	CE

- 10/100 Mbps
- Auto-sensing, 10/100M, half/full duplex, auto-negotiating
- Auto cross-over, auto-polarity
- Automatic address learning, aging and migration
- Store and forward wire-speed switching
- IEEE 802.3, 802.3u, 802.3x, 802.3D/w, 802.3p, 802.3Q
- Real-Time-Ring™ or Rapid Spanning Tree (RSTP)
- SNMPv1 and v2 network management
- SNMPv3 authentication & encryption for security
- SNMP notifications
- IGMP for multicast filtering (snooping and querying)
- Broadcast and multicast storm protection
- RMON and port mirroring
- Security with HTTPS, SSL, SSH, SNMPv3
- Easy configuration via web
- 8 ports + 1 RS232 configuration port
- Ethernet connection: 4-pole, M12 D-coded
- Power supply: 5-pole, 7/8"
- Protection class: IP67

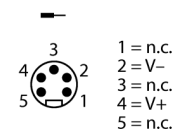
M12 × 1 Fieldbus



M12 × 1 Service Interface



Power Supply



Functional principle

Ethernet switches can be used to simplify Ethernet networks and reduce traffic. They perform an important role in traffic management by forwarding messages only to the port that needs them.