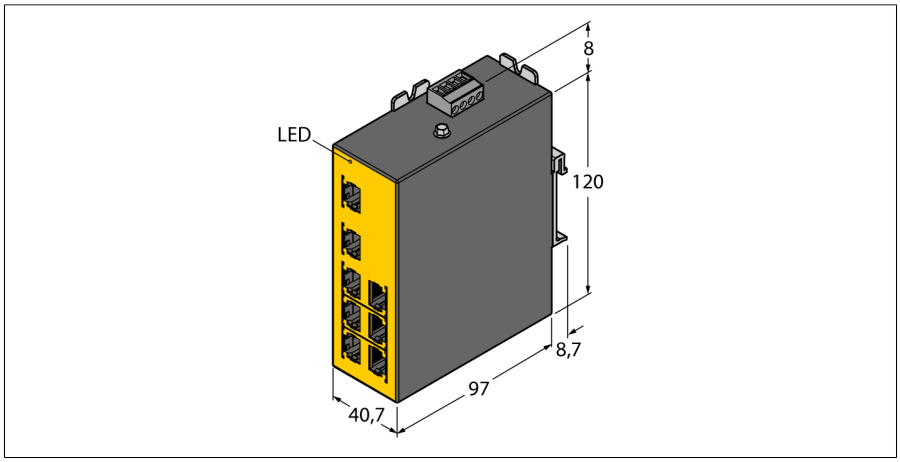
Industrial Ethernet Managed switch SE20-84MT-RJ822



- 10/100 Mbps
- Auto-Negotiation, 10/100 M, half/full duplex
- Auto-Crossing, Auto-Polarity
- Auto-Addressing, aging and migration
- Store-and-Forward data transmission
- IEEE 802.3, 802.3u, 802.3x, 802.3D/w, 802.3p, 802.3Q
- Real-Time-Ring™ or Rapid Spanning Tree Protocol (RSTP)
- SNMPv1 and v2 network management
- SNMPv3 monitoring & encryption
- SNMP messages
- IGMP for multicasting (snooping and queries)
- Broadcast and multicast current protection
- RMON (remote monitoring) and Port Mirroring (mirroring)
- Security through HTTPS, SSL, SSH, SNMPv3
- Web-based configuration
- 8 ports
- Ethernet connection: shielded RJ45 sockets
- Power Supply: Removable screw terminals
- Protection class: IP20

Type	SE20-84MT-RJ822
ID	U3-10865
Supply voltage	24 V DC
Admissible range	10…30 VDC
Power consumption	≤ 4.3 W
Transient Protection	15,000 Wp
Spike Protection	5.000 W (10 times for 10 µs)
Voltage supply connection	Pluggable screw terminal strip
Transmission rate Ethernet	10/100 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)
Number of Ethernet ports	8 ports
Connection technology Ethernet	8 × RJ45
Web server	Default 192.168.0.1
MAC Addresses	2048
Memory bandwidth	3.2 Gbps
Latency (typical)	@100 Mbit/s: 5 µs + frame time; @10 Mbit/s: 16 µs + frame time
Electrical isolation	1500 VRMS 1 min.
Electromagnetic compatibility (EMC)	FCC part 15, ICES-003, EN6100-6-4, IEC61000-6-2, CE
Dimensions	38.1 x 82.8 x 101.6 mm
Weight	455 g
Ambient temperature	-40…+75 °C
Storage temperature	-40…+85 °C
Relative humidity	5…95 %, non-condensing
Vibration test	Acc. to IEC 60068-2-6
Protection class	IP20
Mounting	Mounting on a DIN rail and mounting plate
Housing material	Aluminum

RJ45 Fieldbus

1 = TX +
2 = TX –
3 = RX +
4 = n.c.
5 = n.c.
6 = RX –
7 = n.c.
8 = n.c.

Power Supply

1 = OK
2 = P2 (+24 VDC)
3 = P1 (+24 VDC)
4 = – (GND)

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.

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Approvals and certificates	UL508/CSA C22.2/14; EN61010-1; UL1604/CSA C22.2/213 (Klasse I, Div. 2); EN60079-15 (Zone 2, Kategorie 3); CE (ATEX)
Life cycle MTBF	> 2M hrs GB at 40 °C according to MIL-HDBK-217F2

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