



|                              |                          |
|------------------------------|--------------------------|
| <b>DATA SHEET</b>            | 21700122                 |
| <b>ETHERLINE ACCESS M08T</b> | Valid from<br>09.06.2017 |

**Description**

- Plug&Play Fast Ethernet Network-Switch (10/100BaseT(X)), managed
- Easy network management by web browser, CLI, Telnet / serial console, Windows utility
- Ports: 8x RJ45
- Industrial network redundancy with network recovery time < 20 ms for up to 250 switches, with Turbo Ring and Turbo Chain
- Standard redundance protocols RSTP / STP
- Diverse management and security policies available (e.g. DHCP, IGMP Snooping, QoS, IEEE 802.1Q VLAN , port-based VLAN and GVRP)
- Ethernet/IP, Modbus/TCP, PROFINET Class A supported



**General characteristics**

|                                   |  |
|-----------------------------------|--|
| Series                            | M08T   |
| Interfaces                        | <b>RJ45 Port:</b> 10/100BaseT(X) auto-negotiation, full-/halfduplex-mode and Auto-MDI/MDI-X-connection<br><b>Console port:</b> RS232 (RJ45 connector)<br><b>DIP- Switch:</b> Turbo-Ring, Master, Coupler<br><b>Alarm kontakt:</b> 1x relay output with current carrying capacity of 1 A @ 24 VDC |
| Switch properties                 | MAC-tablesize: 8 K<br>paket-buffersize: 1 Mbit   |
| Temperature range                 | operating temp.: 0°C to +60°C (32°F to 140°F)<br>ambient relative humidity: 5% to 95% (non-condensing)<br>storage temp.: -40°C to +85°C (-40°F to 185°F)   |
| Standards                         | IEEE 802.3<br>IEEE 802.3u<br>IEEE 802.3x for flow control, Back-Pressure flow control<br>IEEE 802.1D-2004 (STP)/ IEEE 802.1w (RSTP)<br>IEEE 802.1p (CoS)<br>IEEE 802.1Q (VLAN Tagging)   |
| Protocol                          | IPv4/IPv6, SNMP v1/v2c/v3, LLDP, port mirroring, RMON, DHCP Server/Client, DHCP Option 66/67/82, BOOTP, TFTP, SMTP, RARP, Telnet, Syslog, SNMP Inform, Sntp, NTP Server/Client, EtherNet/IP, Modbus/TCP, Turbo Ring (V1 and V2), Turbo Chain   |
| MIB (management information base) | MIB-II, Ethernet-like MIB, P-BRIDGE MIB, Bridge MIB, RSTP-MIB, RMON MIB Group 1, 2, 3, 9   |
| MTBF (mean time between failures) | 1.102.845 Std @Telcordia (Bellcore), GB  |

**Power requirements**

|                             |                                   |
|-----------------------------|-----------------------------------|
| Input voltage               | 24 VDC, redundant dual inputs     |
| Operating voltage           | 12 to 45 VDC                      |
| Input current               | 0,22 A @ 24 V                     |
| Overload current protection | present                           |
| Connection                  | 1 removable 6-pole terminal block |
| Reverse polarity protection | present                           |

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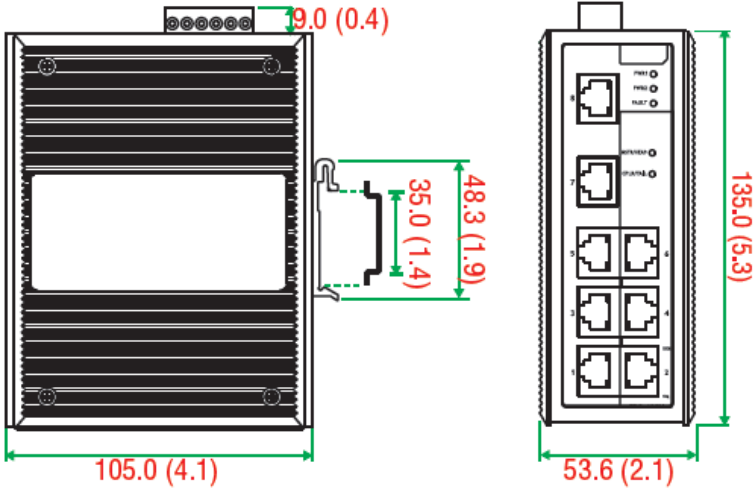


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**Physical properties**

|              |   |
|--------------|---|
| Housing      | metal                                       |
| IP class     | IP30  |
| Dimensions   | 53.6 x 135 x 105 mm (2.11 x 5.31 x 4.13 in) |
| Weight       | 650 g ( 1,44 lb )                           |
| Installation | DIN-rail mounting                           |

**Technical drawing**



Side-View

Front-View

**Standards and approvals**

|           |   |
|-----------|---|
| Safety    | UL508<br>CSA C22.2 No. 60950-1<br>EN 60950-1  |
| EMC       | EN55022/24  |
| EMI       | CISPR22, FCC Part 15B Class A   |
| EMS       | IEC 61000-4-2 ESD: Kontakt: 6kV / Luft: 8kV<br>IEC 61000-4-3 RS: 80Mhz to 1GHz: 10V/m<br>IEC 61000-4-4 EFT/Burst: Power: 2kV / Signal: 2kV<br>IEC 61000-4-5 Surge: Power: 2kV / Signal: 2kV<br>IEC 61000-4-6 CS: 10V<br>IEC 61000-4-8, IEC 61000-4-11 |
| Shock     | according to IEC 60068-2-27   |
| Free fall | according to IEC 60068-2-32   |
| Vibration | according to IEC 60068-2-6  |
| Approvals | CE, UL, maritime DNV.GL, FCC  |

**Application range**

Automation, industrial machinery and plant engineering

**Remark**

Photographs are not to scale and do not represent detailed images of the respective products.

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