



<b>DATA SHEET</b>	21700121
<b>ETHERLINE ACCESS M05T</b>	Valid from 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: 5x 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	M05T
Interfaces	<b>RJ45 Port:</b> 10/100BaseT(X) auto-negotiation, full-/halfduplex-mode and Auto-MDI/MDI-X-connection <b>Console port:</b> RS232 (RJ45 connector) <b>DIP-Switch:</b> Turbo-Ring, Master, Coupler <b>Alarm kontakt:</b> 1x relay output with current carrying capacity of 1 A @ 24 VDC
Switch properties	MAC-tablesize: 2 K paket-buffersize: 1 Mbit
Temperature range	operating temp.: 0°C to +60°C (32°F to 140°F) ambient relative humidity: 5% to 95% (non-condensing) storage temp.: -40°C bis +85°C (-40°F bis 185°F)
Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3x for flow control, Back-Pressure flow control IEEE 802.1D-2004 (STP)/ IEEE 802.1w (RSTP) IEEE 802.1p (CoS) 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)	852.421 hrs @Telcordia (Bellcore), GB

## Power requirements

Input voltage	24 VDC, redundant dual inputs
Operating voltage	12 to 45 VDC
Input current	0,21 A @ 24 V
Overload current protection	present
Connection	1 removable 6-pole terminal block
Reverse polarity protection	present

Creator: ERTC1/PDP Released: IVSE1/PDP	Document: DB21700121EN Version: 00	Page 1 of 2
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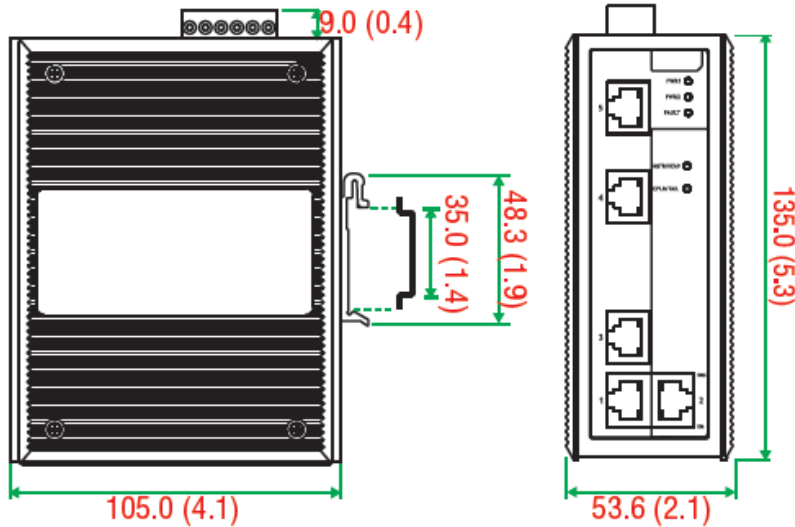


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### Physical properties

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 CSA C22.2 No. 60950-1 EN 60950-1
EMC	EN55022/24
EMI	CISPR22, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Kontakt: 6kV / Luft: 8kV IEC 61000-4-3 RS: 80Mhz to 1GHz: 10V/m IEC 61000-4-4 EFT/Burst: Power: 2kV / Signal: 2kV IEC 61000-4-5 Surge: Power: 2kV / Signal: 2kV IEC 61000-4-6 CS: 10V 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.

Creator: ERTC1/PDP Released: IVSE1/PDP	Document: DB21700121EN Version: 00	Page 2 of 2
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