



Catalog #: 1783-MS10T
10 port Switch

Lifecycle status: DISCONTINUED

Rockwell Automation announces that as of November 30, 2020, the 10 port Switch will be discontinued and no longer available for sale. Customers are encouraged to remove references to the affected product(s).

Discontinued Date: November 30, 2020
Replacement Category: Functional Replacement

Technical Specifications

Mechanical

Width	15.3 cm
Height	14.8 cm
Depth	11.75 cm
Screw torque, power and alarm terminals	0.23 Nm

Electrical

Layer 2	Yes
Layer 3	No
Manageable	Yes
Power dissipation	15.7 W
Power consumption, maximum (expansion module power not included)	15.7 W
Total number of ports	10
Wire size, ethernet connection	RJ45 connector according to IEC 60603-7, 2 or 4-pair category 5e minimum cable according to TIA 568-B.1 or category 5 cable according to ISO/IEC 24702
Ethernet	Yes
Protection type—Electronic S (short time trip units)	Panel mount
Alarm relay, CL 2/SELV at 30 V DC, maximum	1 A

Inrush current, maximum	2 A
Isolation voltage (continuous), basic insulation type, power to ground, power to network channels, and power to alarm	75 V
Maximum insulation, DC power and alarm connections	1.2 mm
Oscillatory surge withstand IEEE C37.90.1	2.5 kV
Switch input, CL 2/SELV at 18 - 60 V DC, maximum	2 A
Wire size, DC power and alarm connections, solid or stranded copper wire rated at 90 °C or greater	0.5 mm ²
Wire size, ground connection, solid or stranded copper wire rated at 75 °C or greater	3.3 mm ²
Wiring category on alarm ports	2
Wiring category on Ethernet ports	2
Wiring category on power ports	2

Environmental

Degree of protection (IP)	IP20
Housing base material	Open-style
Nominal position	T4
Temperature, surrounding air, maximum	60 °C
EFT/B immunity for IEC 61000-4-4 at 5 kHz on alarm ports	±2 kV
EFT/B immunity for IEC 61000-4-4 at 5 kHz on Ethernet ports	±2 kV
Emissions, CISPR11 (IEC 61000-6-4)	Class A
ESD immunity, IEC 61000-4-2, air discharges	15 kV
ESD immunity, IEC 61000-4-2, contact discharges	8 kV
Radiated RF immunity, IEC 61000-4-3 with 1 kHz sine-wave 80% AM from 1000 - 2700 MHz	10 Kg/Km
Radiated RF immunity, IEC 61000-4-3 with 200 Hz 50% pulse 100% AM at 900 MHz	10 Kg/Km
Shock, non-operating, IEC 60068-2-27 (test Ea, unpackaged shock)	30 g
Shock, operating, IEC 60068-2-27 (test Ea, unpackaged shock)	20 g
Surge transient immunity, IEC 61000-4-5, line-earth (CM) on Ethernet ports	±2 kV
Temperature, operating, IEC 60068-2-1 (test Ad, operating, cold)	-40 °C

Temperature, operating, IEC 60068-2-14 (test Nb, operating, thermal shock)	-40 °C
Temperature, operating, IEC 60068-2-2 (test Bd, operating, dry heat)	-40 °C
Selectable start times	T4
Conducted RF immunity, IEC 61000-4-6 with 1 kHz sine-wave 80% AM from 150 kHz - 80 MHz (rms)	10 V
EFT/B immunity for IEC 61000-4-4 at 2.5 kHz on alarm ports	±4 kV
EFT/B immunity for IEC 61000-4-4 at 2.5 kHz on Ethernet ports	±4 kV
EFT/B immunity for IEC 61000-4-4 at 2.5 kHz on power ports	±4 kV
EFT/B immunity for IEC 61000-4-4 at 5 kHz on power ports	±2 kV
Magnetic field immunity, IEC 61000-4-8, long duration at 50 and 60 Hz (A/m)	30
Magnetic field immunity, IEC 61000-4-8, short duration at 50 and 60 Hz (A/m)	300
Radiated RF immunity, IEC 61000-4-3 with 1 kHz sine-wave 80% AM from 80 - 1000 MHz	20 Kg/Km
Radiated RF immunity, IEC 61000-4-3 with 200 Hz 50% pulse 100% AM at 1890 MHz	10 Kg/Km
Relative humidity, IEC 60068-2-30 (test Db, unpackaged damp heat), non-condensing	5 %
Surge transient immunity, IEC 61000-4-5, line-earth (CM) on alarm ports	±2 kV
Surge transient immunity, IEC 61000-4-5, line-earth (CM) on power ports	±2 kV
Surge transient immunity, IEC 61000-4-5, line-line (DM) on alarm ports	±1 kV
Surge transient immunity, IEC 61000-4-5, line-line (DM) on power ports	±1 kV
Temperature, non-operating, IEC 60068-2-1 (test Ab, unpackaged non-operating cold)	-40 °C
Temperature, non-operating, IEC 60068-2-14 (test Na, unpackaged non-operating thermal shock)	-40 °C
Temperature, non-operating, IEC 60068-2-2 (test Bb, unpackaged non-operating dry heat)	-40 °C
Vibration, IEC 60068-2-6 (test Fc, operating) at 10 - 500 Hz	2 g
Voltage variation IEC 61000-4-29, interruption on DC supply ports	10 ms



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