Product: MSM20-S2S2S2S2SY9HH9E

Configurator: MSM20-S2S2S2S2SY9HH9E

Configurator Description

The variety of transmission media and range of connector versions ensure an optimum degree of flexibility and application coverage. Any combination of the hot-swappable media modules may be used to attain the desired port density/type on a MICE Switch Power switch. The sole limitation is the number of media module slots on a switch (one media module per slot).

Technical Specifications

Product description

Type	MSM20-4FX-SM (Product Code: MSM20-S2S2S2S2SY9HH9E99.9.99)
Description	Fast Ethernet Media Module for PowerMICE Switches (MSP) , Standard Ethernet media modul
Part Number	942077003
Port type and quantity	Port 1: 100BASE-FX, SM-SC; Port 2: 100BASE-FX, SM-SC; Port 3: 100BASE-FX, SM-SC; Port 4: 100BASE-FX, SM-SC

Network size - length of cable

Single mode fiber (SM) 9/125 µm	Port 1: 0-32.5 km, 16 dB link budget at 1300 nm, A = 0.4 dB/km, 3 dB reserve, D = 3.5 ps/(nm x km) Port 2: 0-32.5 km, 16 dB link budget at 1300 nm, A = 0.4 dB/km, 3 dB reserve, D = 3.5 ps/(nm x km) Port 3: 0-32.5 km, 16 dB link budget at 1300 nm, A = 0.4 dB/km, 3 dB reserve, D = 3.5 ps/(nm x km) Port 4: 0-32.5 km, 16 dB link budget at 1300 nm, A = 0.4 dB/km, 3 dB reserve, D = 3.5 ps/(nm x km)

Power requirements

Operating Voltage	Power supply via the backplane of the MSP switch
Power consumption	5 W
Power output in BTU (IT)/h	17

Software

Diagnostics	LEDs (power, mode, link/data)

Ambient conditions

Operating temperature	0-+60 °C
Storage/transport temperature	-40-+85 °C
Relative humidity (non-condensing)	5-95 %

Mechanical construction

Dimensions (WxHxD)	38 mm × 133 mm × 118 mm
Weight	249 g
Mounting	Backplane
Protection class	IP20

Mechanical stability

IEC 60068-2-6 vibration	5 Hz - 8.4 Hz with 3.5 mm amplitude; 8.4 Hz-150 Hz with 1 g
IEC 60068-2-27 shock	15 g, 11 ms duration

EMC interference immunity

EN 61000-4-2 electrostatic discharge (ESD)	± 4 kV contact discharge; ± 8 kV air discharge

EN 61000-4-3 electromagnetic field	10 V/m (80 MHz-3000 MHz)
EN 61000-4-4 fast transients (burst)	± 2 kV power line; ± 4 kV data line
EN 61000-4-5 surge voltage	power line: ± 2 kV (line/earth), ± 1 kV (line/line); data line: ± 1 kV (line/earth)
EN 61000-4-6 Conducted Immunity	10 V (150 kHz-80 MHz)

EMC emitted immunity

EN 55022	EN 55032 Class A
FCC CFR47 Part 15	FCC 47CFR Part 15, Class A

Approvals

Basis Standard	C-Tick EN61131
Safety of industrial control equipment	EN 60950; cUL508, UL60950
Transportation	NEMA TS2

Scope of delivery and accessories

Scope of delivery	Device, General safety instructions