HIRSCHMANN
A BELDEN BRAND

Product: GMM20-NNNNNNNNSV9HHS999.9.99

Configurator: GMM - GREYHOUND 1040 Media Module configurator

Configurator Description

The interchangeable media modules, you can modify, expand, and update the live network, without disrupting communications.

Technical Specifications

Product description

Description	GREYHOUND1042 Fast Ethernet media module
Port type and quantity	8 ports Fast Ethernet ; 2 x FE MM, ST ; 2 x FE MM, ST ; 2 x FE MM, ST ; 2 x FE MM, ST

Network size - length of cable

Multimode fiber (MM) 50/125 µm	port 1 and 3: 0 - 5000 m, 8 dB Link Budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 800 MHz x km; port 5 and 7: 0 - 5000 m, 8 dB Link Budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 800 MHz x km; port 2 and 4: 0 - 5000 m, 8 dB Link Budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 800 MHz x km; port 6 and 8: 0 - 5000 m, 8 dB Link Budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 800 MHz x km;
Multimode fiber (MM) 62.5/125 µm	port 1 and 3: 0 - 4000 m, 11 dB Link Budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km; port 5 and 7: 0 - 4000 m, 11 dB Link Budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km; port 2 and 4: 0 - 4000 m, 11 dB Link Budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km; port 6 and 8: 0 - 4000 m, 11 dB Link Budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km;

Power requirements

Operating Voltage	via switch
Power consumption	10 W
Power output in BTU (IT)/h	34

Ambient conditions

MTBF (Telecordia SR-332 Issue 3) @ 25°C	1 179 558 h
Operating temperature	0-+60 °C
Storage/transport temperature	-40-+70 °C
Relative humidity (non-condensing)	5-95 %

Mechanical construction

Weight	520 g

Mechanical stability

IEC 60068-2-6 vibration	1 mm, 2 Hz-13.2 Hz, 90 min.; 0.7 g, 13.2 Hz-100 Hz, 90 min.; 3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 9 Hz-150 Hz, 10 cycles, 1 octave/min
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks

EMC interference immunity

EN 61000-4-2 electrostatic discharge (ESD)	8 kV contact discharge, 15 kV air discharge
EN 61000-4-3 electromagnetic field	35 V/m (80-2700 MHz); 1 kHz, 80% AM
EN 61000-4-4 fast transients (burst)	4 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; IEEE1613: power line 5kV (line/earth)
EN 61000-4-6 Conducted Immunity	3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz)

EN 61000-4-16 mains frequency voltage	30 V, 50 Hz continous; 300 V, 50 Hz 1 s

EMC emitted immunity

EN 55032	EN 55032 Class A

Approvals

Safety of industrial control equipment	EN61131, EN60950
Substation	IEC61850, IEEE1613

Scope of delivery and accessories

Scope of delivery	Device, General safety instructions