

**Product:** GRM20-MMMMMMMMSZ9HHS

**Configurator:** GRM20-MMMMMMMMSZ9HHS



### Configurator Description

The GREYHOUND media modules can be ordered in versions from all-copper to all-fiber, depending on the individual need.

### Technical Specifications

#### Product description

Description	GREYHOUND Fast Ethernet Media Module
Part Number	942122203
Port type and quantity	8 x ports in total ; 2 x FE MM, SC ; 2 x FE MM, SC ; 2 x FE MM, SC ; 2 x FE MM, SC

#### 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	power supply via GREYHOUND switch
Power consumption	9 W
Power output in BTU (IT)/h	31

#### 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
Protection class	IP30

#### 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 continuous; 300 V, 50 Hz 1 s

## EMC emitted immunity

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

## Approvals

Basis Standard	CE, FCC, EN61131
Safety of industrial control equipment	EN60950

## Scope of delivery and accessories

Scope of delivery	Device, General safety instructions
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## Further Instructions

Product Documentation	<a href="https://www.doc.hirschmann.com/index.html">https://www.doc.hirschmann.com/index.html</a>
Certificates	<a href="https://www.doc.hirschmann.com/certificates.html">https://www.doc.hirschmann.com/certificates.html</a>

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