

ETHERNET-TO-FIBRE MEDIA CONVERTER



Ethernet Media Converter

The LEMO Ethernet to fibre media converter has been designed to ensure reliable conversion in harsh environments. A pair of media converters enables the conversion of signal from Ethernet 100 BaseT copper networks to fibre optics and vice-versa. Using the converter allows the fibre optic signal to be transmitted over a long distance without loss of quality. The advantages are immunity to electromagnetic interference and increased security for sensitive information.

Benefits

- single mode fibre
- cable \varnothing 2.6 to 10.5 mm
- high shock and vibration resistance
- watertight IP 68
- reliable and secure, difficult to tap into the signal
- easy to deploy and operate
- LED indicators TX signal / RX signal / Power



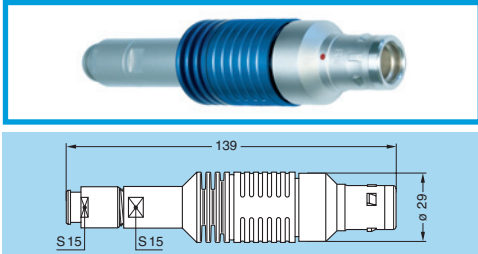
Applications

- traffic light signals
- smoke and fire alert
- remote surveillance
- military environment
- industrial environment
- video security



Technical characteristics

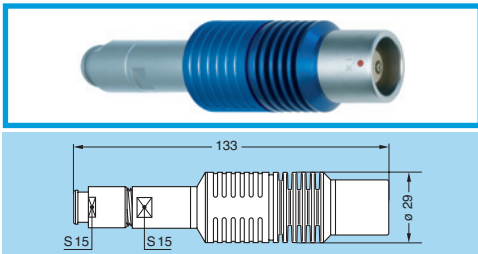
Characteristics	Values
Transmission wavelength	1310 nm
Fibre type	Single mode 9/125 µm
Electrical inputs	10/100 BaseT Ethernet, 5V supply (280mA)
LD Optical Output	250 µW (Typical)
Photodiode Sensitivity	-37 to -5 dBm
Data Rate	125 Mbps (Max.)
Transmission Distance	over 20km
Protection index	IP 68 (when mated)
Temperature Range / Humidity range	-20°C to +85°C / Up to 95 %



FGG Ethernet converter with fibre optic plug and cable collet

Part number	Mating connector optical side
FGG.ME.3KA.CCZC••Z	PHG.3K.03A.CLZT••Z

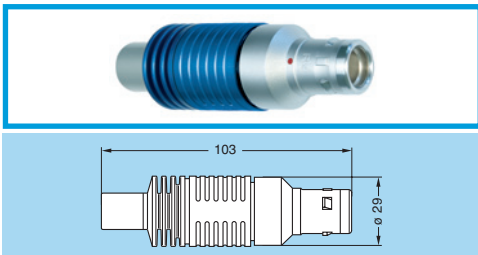
Note: replace •• by the cable diameter required (consult factory). Available in different colours



PHG Ethernet converter with fibre optic socket and cable collet

Part number	Mating connector optical side
PHG.ME.3KA.CCZC••Z	FGG.3K.03A.CLZT••Z

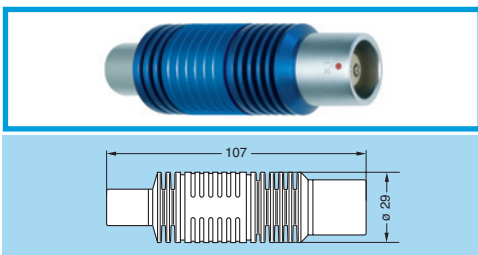
Note: replace •• by the cable diameter required (consult factory). Available in different colours



FGG Ethernet converter with fibre optic plug and 1K series socket

Part number	Mating connector optical side	Mating connector electrical side
FGG.ME.3KA.CP1K06	PHG.3K.03A.CLZT••Z	FGL.1K.306.CLIC••Z

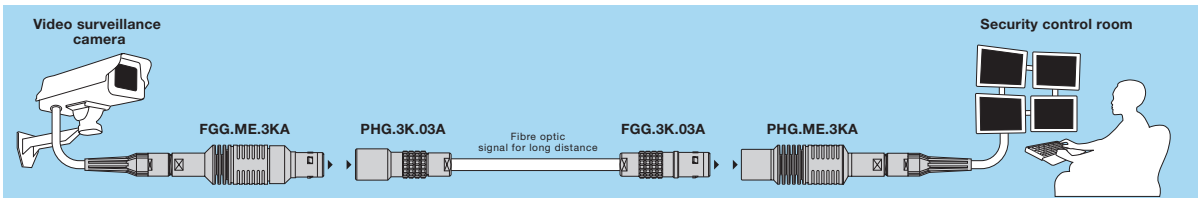
Note: replace •• by the cable diameter required (consult factory). Available in different colours



PHG Ethernet converter with fibre optic socket and 1K series socket

Part number	Mating connector optical side	Mating connector electrical side
PHG.ME.3KA.CP1K06	FGG.3K.03A.CLZT••Z	FGL.1K.306.CLIC••Z

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