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FS

FS1/OP-C


Photo.Midi,PNP-NO/NC,Cable,Fiber ampli

CUBIC AMPLIFIER UNIT FOR OPTICAL FIBRES - DC

- Extremely reduced dimensions amplifier units (only 49 x 26 x 15 mm)
- Right angle cable exit or M12 plug cable for reducing the overall dimensions at minimum
- Trimmer for sensitivity adjustment
- NPN or PNP outputs with selectable NO/NC
- Red light beam with visible spot
- Wide range of optical fibres (plastics and glass)
- Complete protection against electrical damage
- Fixing with M4 screws (2xM4, 20 mm step)



Indicative image

TECHNICAL FEATURES | CONNECTIONS | OTHER | DOWNLOAD | BACK TO THE SELECTOR   

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	Depending on optical fibres used
Thermal drift of Sr	≤ 10% Sr
Repeat Accuracy	≤ 5%
Sensitivity adjustment	Trimmer

Application

Function Principle	Optic fiber amplifier
Optic position	Axial

Outputs

Output type	PNP L/D Selectable
Output Function	L/D Selectable
Switching frequency	1Khz
Response time	500µs

Electrical data

Operating Voltage	10...30VDC
No-Load supply current	≤ 30mA
Load current	≤ 100mA
Leakage current	≤ 10µA @ Vmax
Output voltage drop	≤ 1,2V @ Iload=100mA
Max ripple content	≤ 10%
LED indicators	red (output state)
Time delay before availability	≤ 200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED Red (660nm)

Interference to external light	3.000lux (incandescent lamp), 10.000lux (sunlight)
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Mechanical data

Dimensions	15x26x67 mm
Weight	120 g
Housing Material	Polyamide
Connections	2m PVC cable 90°
Active Head Material	
Operating temperature	- 25°C...+ 70°C (without freeze)
Diameter/Dimension	Cubic

Test/Approvals

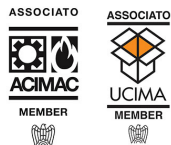
Approvals	CE
EMC compatibility	EN 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP67

Accessories

Supplied Accessories	ST07 mounting bracket and screws
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Generical Data

Dimensions	15x26x67 mm
Operating Temperature	- 25°C...+ 70°C (Without freeze)
Mechanical Protection	IP67



COMPANY

What is datasensing?
Our history

PRODUCTS

Machine vision
Photoelectric sensors
Area sensors
Inductive sensors
Capacitive sensors
Ultrasonic sensors
Sensor accessories
Safety devices
Safety accessories
Lidars
Encoders
Specialities

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