



FY

FY3/0N-0V

Photo.DIN rail,NPN-NO/NC,PT M8,Fiber amp

ADVANCED FIBER AMPLIFIERS

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	Depending on optical fibres used
Repeat Accuracy	≤ 5%
Sensitivity adjustment	Teach-in

Application

Function Principle	Optic fiber amplifier
Notes	Delay ON/OFF One Shot Anti mutual interference
Optic position	Axial

Outputs

Output type	NPN L/D Selectable
Output Function	L/D Selectable

Switching frequency	1Khz
Response time	OFF: 100µs(HIGH SPEED) 250 µs (FINE) 1ms (SUPER) 8ms(MEGA)

Electrical data

Operating Voltage	12...24VDC
No-Load supply current	≤ 40mA
Load current	≤100mA
Leakage current	≤ 10µA
Output voltage drop	≤1V@Iload=100mA
Max ripple content	≤10%
LED indicators	Red (output state) Red (Signal level -4 digits) Green (Threshold - 4 digits)
Time delay before availability	≤200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED Red (680nm)
Interference to external light	20.000lux (incandescent lamp), 30.000lux (sunlight)

Mechanical data

Dimensions	71,8 x 30,3 x 9,8 mm
Weight	50 g (approx.)
Housing Material	PC

Connections	150mm PVC cable + M8 plug 4pin
Operating temperature	- 20°C...+ 55°C (without freeze)
Diameter/Dimension	Cubic

Test/Approvals

Approvals	CE
EMC compatibility	EN 60947-5-2
Degree of protection	IP64

Accessories

Supplied Accessories	DIN mounting bracket
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Generical Data

Dimensions	71,8 x 30,3 x 9,8 mm
Operating Temperature	- 20°C...+ 55°C (Without freeze)
Mechanical Protection	IP64

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