



FY

FY2/0N-0V

**Photo.DIN rail,NPN-NO/NC,PT M8,Fiber
amp**
ADVANCED FIBER AMPLIFIERS

OVERVIEW



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
Optic position	Axial

Outputs

Output type	NPN L/D Selectable
Output Function	L/D Selectable
Switching frequency	12,5 KHz(HIGH SPEED) 2 KHz (FINE) 500 Hz (SUPER) 31,25 Hz(MEGA)
Response time	40μs(HIGH SPEED) 250 μs (FINE) 1ms (SUPER) 16ms(MEGA)

Electrical data

Operating Voltage	12...24VDC
No-Load supply current	$\leq 50\text{mA}$
Load current	$\leq 100\text{mA}$
Leakage current	$\leq 10\mu\text{A}$
Output voltage drop	$\leq 1,5\text{V}@I_{\text{load}}=100\text{mA}$
Max ripple content	$\leq 10\%$
LED indicators	Red (output state) Red (Signal level -4 digits) Green (Threshold - 4 digits)
Time delay before availability	$\leq 200\text{ms}$
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
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Housing material	PC
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Weight	50 g (approx.)
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Connections	150mm PVC cable + M8 plug 4pin
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Operating temperature	- 20°C...+ 55°C (without freeze)
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Diameter/Dimension	Cubic
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Test/Approvals

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

Supplied Accessories	DIN mounting bracket
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Generical Data

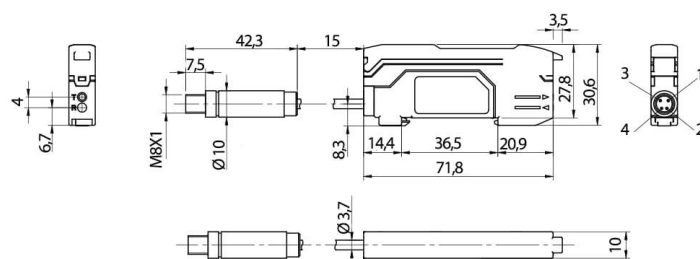
Dimensions	71,8 x 30,3 x 9,8 mm
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Operating Temperature	- 20°C...+ 55°C (Without freeze)
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Mechanical Protection	IP64
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OTHERS

Dimensions



Datasensing S.r.l.

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

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