



FY

FY3/0N-0A

**Photo.DIN rail,NPN-NO/NC,Cable,Fiber
amp**

ADVANCED FIBER AMPLIFIERS

OVERVIEW



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	Depending on optical fibres used
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Repeat Accuracy	$\leq 5\%$
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Sensitivity adjustment	Teach-in
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Application

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

Output type	NPN L/D Selectable
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Output Function	L/D Selectable
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Switching frequency	1Khz
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Response time	OFF: 100µs(HIGH SPEED) 250 µs (FINE) 1ms (SUPER) 8ms(MEGA)
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Electrical data

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

Dimensions	71,8 x 30,3 x 9,8 mm
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Housing material	PC
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Weight	80 g (approx.)
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Connections	2m PVC cable
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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

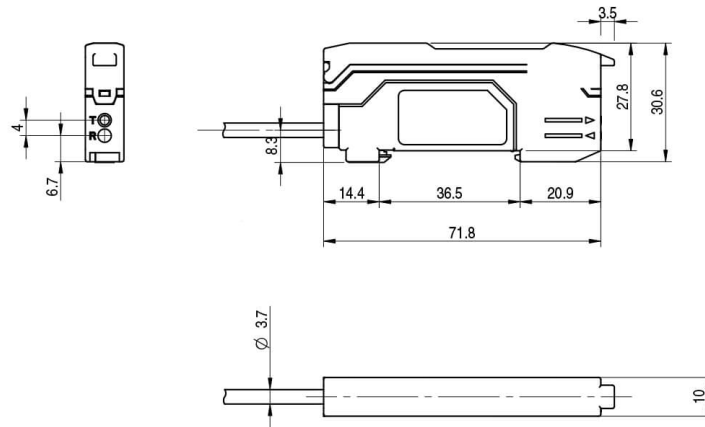
Dimensions	71,8 x 30,3 x 9,8 mm
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Operating Temperature	- 20°C...+ 55°C (Without freeze)
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Mechanical Protection	IP64
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OTHERS

Dimensions



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