

1: Mounting on DIN rail



Product characteristics

Fiber-optic amplifier

Plastic housing

Quick disconnect

8 channels for 8 plastic fiber optics Types FE-11 / FT-11

No mutual optical interference

Graphic display

Central operation

Electronic lock

Function check output

Sensing range 3800mm (Through-beam sensor)

Range 0...300mm (Diffuse reflection sensor)

adjustable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

12...36 DC

Current consumption [mA]

50 (24 V)

Power consumption [VA]

1.3

Type of light

red light 630 nm

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

light-on / dark-on programmable

Voltage drop [V]

< 2

Current rating

- Switching output [mA]

200

- Function check output [mA]

200

Short-circuit protection

yes (non-latching)

Overload protection

yes

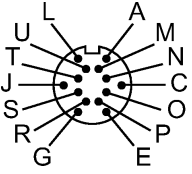
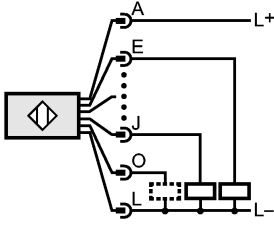
Switching frequency [Hz]

800 typ.

Timer [s]

0.001...0.1

OO5003 - Fiber-optic amplifier - eclass: 27270905 / 27-27-09-05

| | | |
|---|---|---|
| Monitoring range | | |
| Sensing range [m] | | 3.8 (Through-beam sensor) |
| Range [mm] | | 0...300 (Diffuse reflection sensor) |
| Measuring / setting range | | |
| Possible settings | | - automatic and manual switch point setting - logic functions AND; OR - second switch point |
| Environment | | |
| Ambient temperature [°C] | | -20...60 |
| Protection | | IP 65 |
| Tests / approvals | | |
| EMC | | EN 60947-5-2 EN 55011: class B |
| Mechanical data | | |
| Housing materials | | housing: ABS; display window: PMMA; LED window: SEPS; cover: diecast zinc plastic coated (PA) |
| Weight [kg] | | 0.557 |
| Displays / operating elements | | |
| Display | | Display unit full graphic LCD display Switching status 8 x LED yellow |
| Display options | | - display can be rotated by 180° - language selection (German, English, French) |
| Electrical connection | | |
| Connection | | M16 connector |
| Wiring | | |
|  |  | E: Out 1 P: Out 2 S: Out 3 G: Out 4 C: Out 5 T: Out 6 N: Out 7 J: Out 8 |
| | | O: function check |
| Accessories | | |
| Accessories (included) | | DIN rail EN60715; length: 94 mm |
| Remarks | | |
| Remarks | | cULus - Class 2 source required |
| Pack quantity [piece] | | 1 |