

Product characteristics

Fiber-optic amplifier

Rectangular, plastics

Quick disconnect

Sensing range 0...120mm (Through-beam sensor)

Range 0...40mm (Diffuse reflection sensor)

adjustable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

30 (24 V)

Type of light

red light 660 nm

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

light-on / dark-on programmable

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

120

Monitoring range

Sensing range [m]

0...0.12 (Through-beam sensor)

Range [mm]

0...40 (Diffuse reflection sensor)

Environment

Ambient temperature [°C]

-25...60

Protection

IP 65

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

529

Mechanical data

Housing materials

modified PPO

Weight [kg]

0.065

Displays / operating elements

Output status indication LED

yellow

Electrical connection

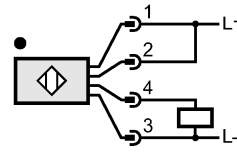
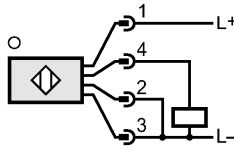
Connection

M12 connector

Wiring

OK5008 - Fiber-optic amplifier - eclass: 27270905 / 27-27-09-05

Core colors
 BN brown
 BU blue
 BK black
 WH white



Accessories

Accessories (included)

screwdriver; 2 mounting screws; M4 x 25; 2 washers; 2 spring washers; 2 nuts

Remarks

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When through-beam fibre optics are connected light-on mode means the output function "NC" and when diffuse reflection fibre optics are connected the output function "NO".
 When through-beam fibre optics are connected dark-on mode means the output function "NO" and when diffuse reflection fibre optics are connected the output function "NC"

Pack quantity

[piece]

1