

Product characteristics
Diffuse reflection sensor

Threaded type

M30 x 1.5

Quick disconnect

Range 3...700mm (referred to white paper 200 x 200 mm)

adjustable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...55 DC

Current consumption [mA]

30 (24 V)

Type of light

Infrared light 880 nm

Protection class

II

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]

100

Monitoring range

Range [mm]

3...700 (referred to white paper 200 x 200 mm)

Environment

Ambient temperature [°C]

-25...80

Protection

IP 65

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

Mechanical data

Housing materials

PBT; modified PPO

Lens material

PMMA

Displays / operating elements

Output status indication LED

yellow

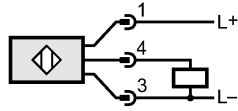
Electrical connection

Connection

M12 connector

Wiring

OI8502 - Diffuse reflection sensor - eclass: 27270903 / 27-27-09-03



Accessories

Accessories (included)

2 lock nuts; screwdriver

Remarks

Pack quantity

[piece]

1

ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — OI8502 — 06.03.2003