

1: potentiometer sensitivity
2: output function switch



Product characteristics

Optical fork sensor

Connector

Visible laser light, LASER CLASS 1

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC

Current consumption [mA]

30

Type of light

Red light 670 nm

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

light-on/dark-on mode selectable

Voltage drop [V]

< 2.8

Current rating [mA]

200

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

3000

Range

Smallest detectable object [mm]

0.05

Hysteresis [mm]

0.02

Accuracy / deviations

Repeatability [mm]

0.01

Environment

Ambient temperature [°C]

5...45

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

475

Mechanical data

Fork depth D [mm]

55

Fork width W [mm]

80

Housing materials

housing: aluminium black anodised; lens: glass

Weight [kg]

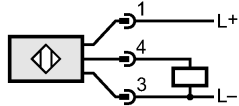
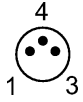
0.138

Displays / operating elements

OPU702 - Optical fork sensor - eclass: 27270901 / 27-27-09-01

Output status indication	LED	yellow
Electrical connection		
Connection		M8 connector

Wiring



Remarks	
Remarks	Laser light CLASS 1 LASER PRODUCT IEC 60825-1 : 2007 complies with 21 CFR 1040.10 except for deviations pursuant to Laser Notice No. 50, dated June 2007 cULus - Class 2 source required
Pack quantity	[piece] 1