



## sensor O1D155 O1DLF3KG/IO-LINK

URL:<https://www.sxplc.com/sensor-o1d155-o1dlf3kg-io-link>

### Product data sheet

Product Characteristics

Light Type

Red light

Laser protection class

1

Housing

Rectangular

Electrical data

Operating voltage [V]

18.... 30 DC

Current loss [mA]

< 150

Protection class

III

Inverted phase protection

yes

Light type

Red light

Wavelength [nm]

650

Lifetime [h]

50000

Total Input/Output

Total number of inputs and outputs

Number of digital outputs: 2; Number of analog outputs: 1

Outputs

Number of outputs

2

Electrical design

PNP

Number of digital outputs

2

Output Function

Normally open/closed; (optional)

Maximum current load per output [mA]

200

Number of analog outputs

1 analog output

Analog current output [mA]

4.... .20; (IEC 61131-2)

Max. load value [ $\Omega$ ]

250

Analog voltage output [V]

0.... .10; (IEC 61131-2)

Load resistance min.

5000

Short-circuit protection

yes

Type of short-circuit protection

Pulse

Overload protection

Yes

Monitoring range

Spot width max.

8

Spot height max.

8

Spot size reference

6 m

Background fade [m]

6.... .100

Measuring/setting range

Measuring range [m]

0.3.... .6; (white paper 200 x 200 mm 90 % reflection)

Measuring frequency [Hz]

1.... .33

Interfaces

Communication interface

IO-Link

Transmission type

COM2 (38,4 kBaud)

IO-Link revision

1.1

SDCI standards

IEC 61131-9

Form factor

Function class

Function class

0x1

Smart Sensor Profil

0x8000

Device Identification

0x8002

Process Data Variable

0x8003

Device Diagnosis

0x8003 Device Diagnosis

Teach Channel

SIO Mode

SIO Mode

Required mater port type

A

Analog process data

2

2-digit output process data

2

Process cycle min.

6

Supported DeviceID

Operation mode

DeviceID

default

812

Operating conditions

Ambient temperature [°C]

-10.... .60

Enclosure protection class

IP 67

Approvals/Tests

EMC Electromagnetic Compatibility

EN 60947-5-2

Laser protection class

1

Laser protection precautions



Attention.

Laser

Laser Class.

1

EN / IEC60825-1:2007

EN/IEC60825-1:2014

Conforms to 21 CFR 1040, except for deviations of 50 according to the laser notification number, June 2007.

MTTF [Year]

186

Mechanical Technical Data

Weight [g]

243

Housing

Rectangular

Dimensions [mm]

59 x 42 x 52

## Material

Housing: molded zinc; Front lens: glass; LED window: PC

## Display/operating elements

### Display

### Switch status

2 x LED, yellow

### Operation

LED, green

Distance, Programming

Alphanumeric Display, 4 Digits

Attachment (optional)

Accessories (optional)

Protective cover, E21133

## Commentary

## Notes

According to cULus operating voltage "Power supply class 2".

Packing unit

1 piece

Electrical connection

Connector: 1 x M12; Translator: A

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