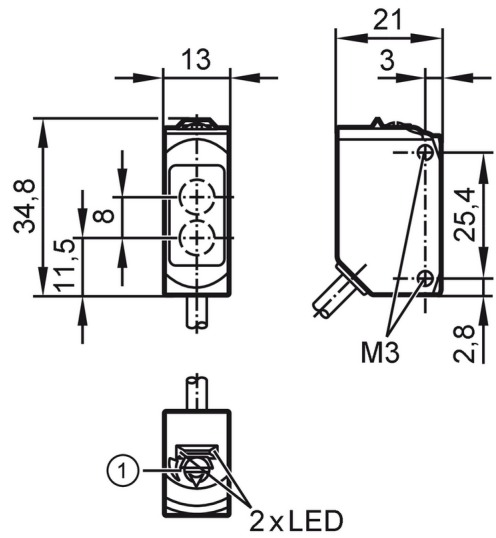


O6T320



Diffuse reflection sensor

O6TICPKG/0,30M/US



1 potentiometer sensitivity



Product characteristics

Type of light	Infrared light
Housing	rectangular

Application

Function principle	Diffuse reflection sensor
Application	food and beverage industry

Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	16; ((24 V))
Protection class		III
Reverse polarity protection		yes
Reverse polarity protection		yes
Type of light		Infrared light
Wave length	[nm]	850

Outputs

Electrical design		PNP
Output function		complementary
Max. voltage drop switching output DC	[V]	2.5
Max. leakage current	[mA]	0.1
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	500
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)

Monitoring range

Range	[mm]	5...220; (white paper 200 x 200 mm 90 % remission)
-------	------	--

O6T320



Diffuse reflection sensor

O6TICPKG/0,30M/US

Setting range	[mm]	60...220
Range adjustable		yes
Max. light spot diameter	[mm]	24
Light spot dimensions refer to		at maximum range

Interfaces		
Communication interface	IO-Link	
Transmission type	COM1 (4,8 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Profiles	Smart Sensor - SSP 0	Generic Profiled Sensor
	Function	Device identification
	Function	Multiple switching signal
SIO mode	yes	
Required master port class	A	
Min. process cycle time	[ms]	18
IO-Link process data (cyclical)	Function	bit length
	process value	8
	binary switching information	1
IO-Link functions (acyclical)	application specific tag; operating hours counter; switching cycles counter	
Supported DeviceIDs	Type of operation	DeviceID
	default	1267

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65; IP 67; IP 68; IP 69K

Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	1128

Mechanical data		
Weight	[g]	46.5
Housing		rectangular
Dimensions	[mm]	34.8 x 13 x 21
Material		housing: stainless steel (1.4404 / 316L); sealing: EPDM; plastics: PPSU
Lens material		front lens:PMMA
Tightening torque	[Nm]	1; (screws)

Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green

Remarks		
Pack quantity		1 pcs.

O6T320



Diffuse reflection sensor

O6TICPKG/0,30M/US

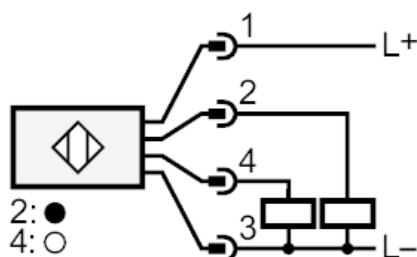
Electrical connection

Cable: 0.3 m, PVC, black, Ø 4 mm; 4 x 0.25 mm²

Connector: 1 x M12; coding: A; Contacts: 4



Connection



4 OUT / IO-Link

Diagrams and graphs

