

Basic features

Approval/Conformity	CE WEEE UKCA
Basic standard	IEC 60947-5-2
Principle of operation	Color sensor
Series	33M
Style	Square Straight connection

Display/Operation

Adjuster	no
Setting	IO-Link

Electrical connection

Connection	Connector, M8x1-Male, 4-pin
Polarity reversal protected	yes

Electrical data

No-load current I_o max. at U_e	60 mA
Operating voltage U_b	21.6...26.4 VDC
Rated operating voltage U_e DC	24 V
Ripple max. (% of U_e)	10 %

Environmental conditions

Ambient temperature	10...55 °C
EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms, 3x6
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP54

IO-Link

IO-Link Profil IDs	0x0001 SSP0
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Interface

Interface	IO-Link 1.1
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Material

Housing material	Aluminium, Anodized
Surface protection	Anodized

Mechanical data

Dimension	21 x 58.3 x 58 mm
Mounting part	Screw M4

Optical features

Ambient light max.	5000 Lux
LED group per IEC 62471	Exempt Group
Light type	White light
Principle of optical operation	Diffuse sensor
Wave length	400...700 nm

Remarks

The sensor is functional again after the overload has been eliminated.

Reference object (target): gray card, 100 x 100, 18 % remission, axial approach.

For additional information, refer to user's guide.

Order accessories separately.

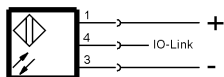
Do not press key using a pointed tool.

All sensor functions can be set and read through the IO-Link interface (COM mode). The colors/color ranges can be read individually through IO-Link.

Connector Drawings



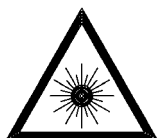
Wiring Diagrams



Opto Symbols



Warning Symbols



LED light– DO NOT LOOK INTO THE BEAM!

Exempt Group per IEC 62471:2006-07