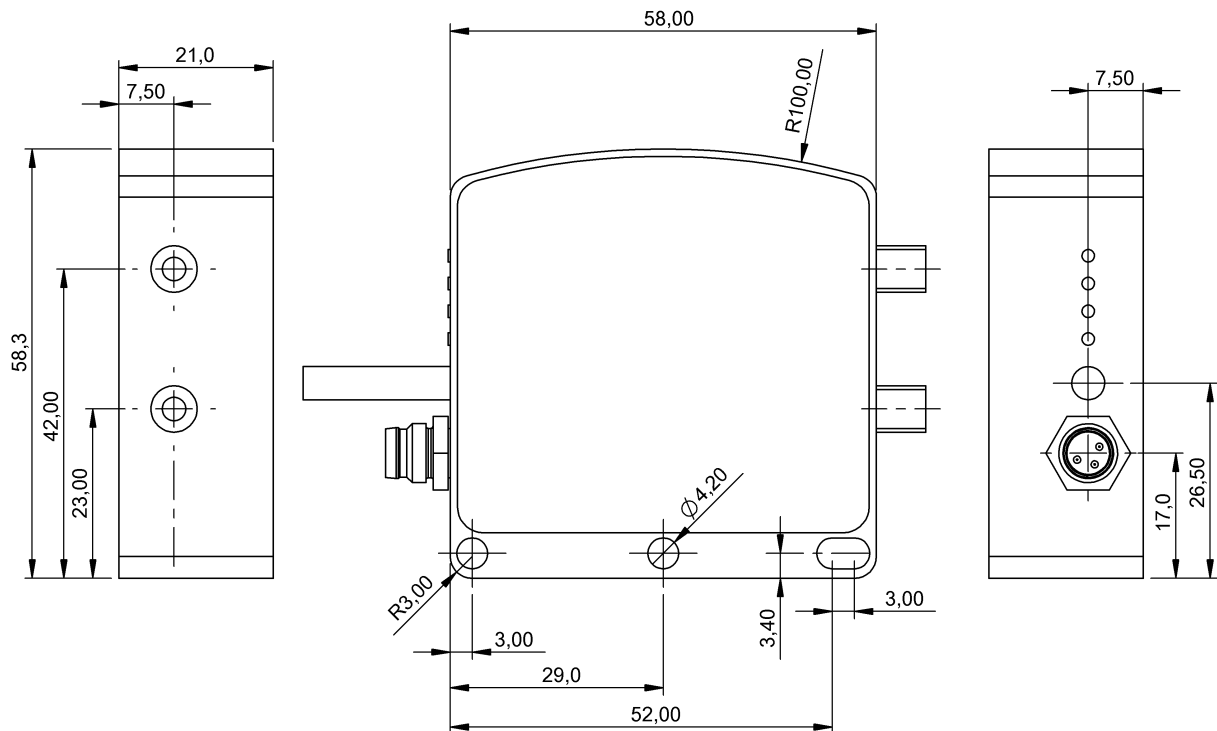




Basic features

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

Display/Operation

Adjuster	no
Display	LED green: Power

Electrical connection

Cable diameter D	5.10 mm
Cable length L	2 m
Conductor cross-section	0.25 mm ²
Connection	Cable, 2.00 m, PUR
Number of conductors	5
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at U _e	0.5 µF
No-load current I _o max. at U _e	40 mA
Operating voltage U _b	21.6...26.4 VDC
Protection class	I
Rated insulation voltage U _i	500 V DC
Ready delay t _v max.	500 ms
Ripple max. (% of U _e)	10 %
Switching frequency	1500 Hz
Turn-off delay t _{off} max.	0.33 ms
Turn-on delay t _{on} max.	0.33 ms
Voltage drop U _d max. at I _e	3 V

Environmental conditions

Ambient temperature	10...55 °C
Protection degree	IP54

Material

Housing material	Aluminum
Material jacket	PUR
Surface protection	coated

Mechanical data

Dimension	21 x 58.3 x 74 mm
Mounting	Screw M4

Optical features

Ambient light max.	5000 Lux
LED group per IEC 62471	Exempt Group
Light type	White light
Wave length	400...700 nm

Output/Interface

Switching output	3x PNP/NPN NO/NC push-pull
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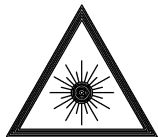
Connector Drawings



Opto Symbols



Warning Symbols



LED light– DO NOT LOOK INTO THE BEAM!

Exempt Group per IEC 62471:2006-07