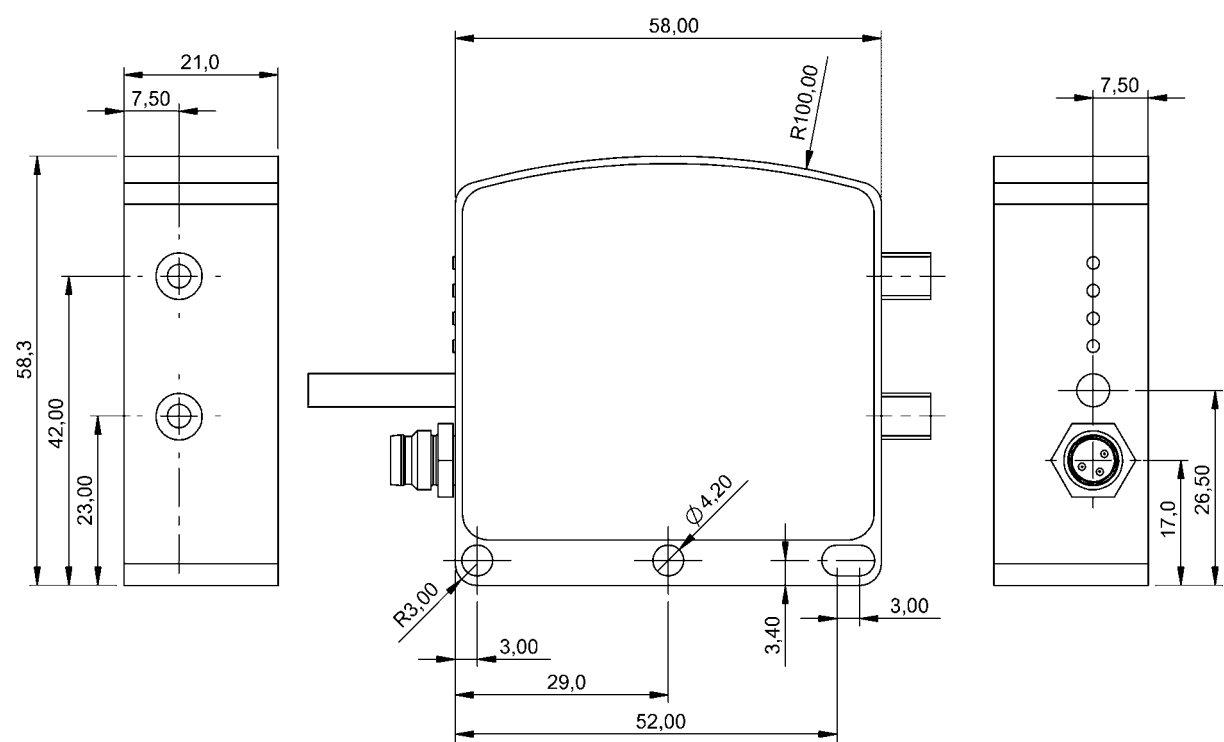


Photoelectric Sensors
BFS 33M-GSS-F01-PU-02
Order Code: BFS000L



Basic features

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

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

Display/Operation

Adjuster	no
Display	LED green: Power

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
IP rating	IP54

Interface

Switching output	PNP/NPN NC/NO 2x PNP/NPN NO/NC Push-pull
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Material

Housing material	Aluminium, coated
Material jacket	PUR
Surface protection	coated

Mechanical data

Dimension	21 x 58.3 x 74 mm
Mounting part	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

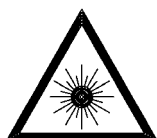
Connector Drawings



Opto Symbols



Warning Symbols



LED light– DO NOT LOOK INTO THE BEAM!

Exempt Group per IEC 62471:2006-07