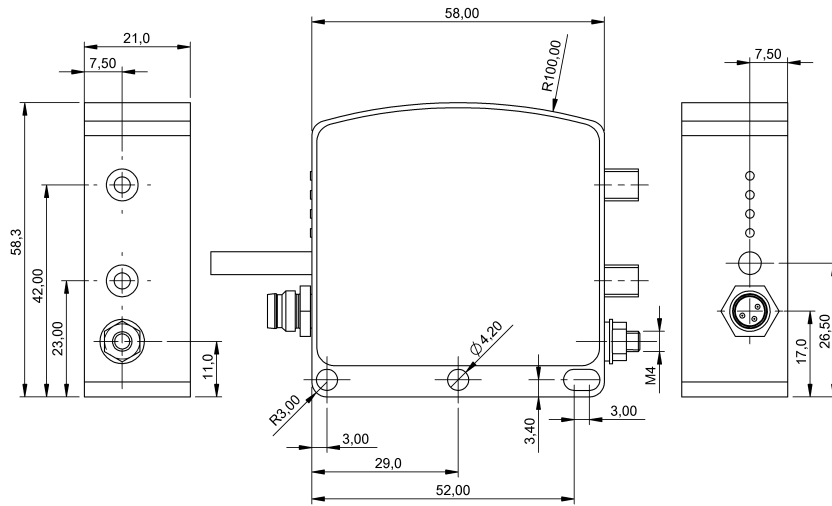


BFS 33M-GSS-F01-PU-02
Ordering code: BFS000L

Color sensor
Series 33M

Push-pull (3x), Push-pull NO/NC
White light
DC, direct current

BALLUFF
sensors worldwide



Characteristic data

Enclosure type per IEC 60529	IP54
Protection class	1 (Protective grounding)
Short-circuit protected	Yes
Protected against polarity reversal	Yes
Protected against reverse connection	Yes
Indicator	Power - LED GN
Adjuster	No
Switching freq. f max.	1500 Hz

Optical data

Light type	White light
Wavelength	400...700 nm
Ambient light max.	5,000 Lux
LED group per IEC 62471	Exempt group

Electrical data

Operating voltage	21,6...26,4 V DC
Rated insulation voltage Ui	500 V DC
Ready delay tv max.	500 ms
Load capacitance max. (at Ue)	0,5 µF
Ripple max. (% of Ue)	10 %
Switching output	Push-pull (3x)

Switching function
 Turn-off delay toff max.
 Turn-on delay ton max.
 No-load current max. Io at Ue
 Voltage drop Ud max. (at Ie)
 Interface

Push-pull NO/NC
 0.33 ms
 0.33 ms
 40 mA
 3,0 V
 RS232

Mechanical data

Number of conductors	5
Cable short designation	LiY11Y-O
Cable length	2 m
Conductor cross-section	0,25 mm²
Ambient temperature	10...55 °C
Housing material	Aluminum
Surface protection	coated
Cable jacket material	PUR
Cable diameter D max.	5,1 mm
Mounting type	Screw M4
Design	Block, straight connection

Basic data

Connection	Cable, 2m, PUR
Basic standard	IEC 60947-5-2



Definitions see main catalog

subject to change

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