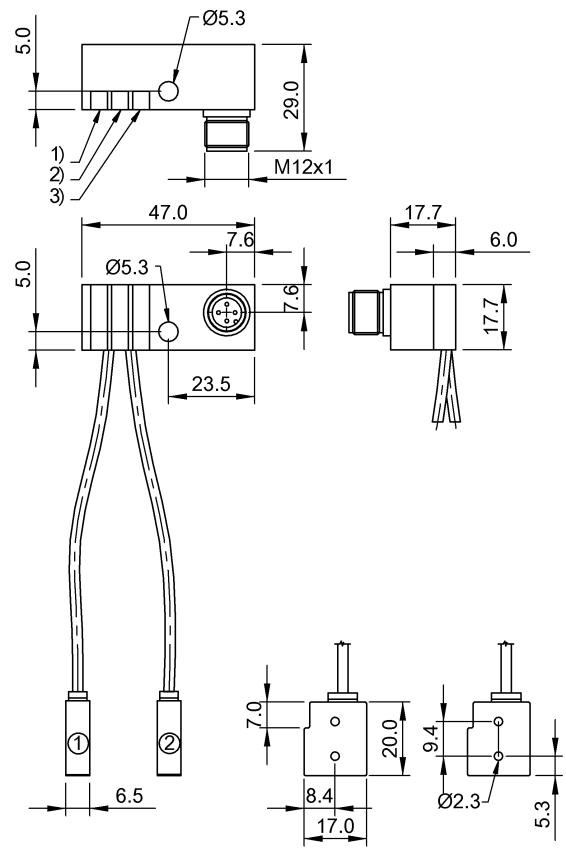


Inductive Sensors

BES Z02KR2-PSC20F-P165-S04-V
Order Code: BES03R4

BALLUFF



1) LED Signal 1, 2) LED (Power), 3) LED Signal 2



Basic features

Approval/Conformity	CE cULus WEEE
Basic standard	IEC 60947-5-2

Display/Operation

Function indicator	yes
Power indicator	yes

Electrical connection

Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Operating voltage U_b	10...30 VDC
Rated operating current I_e	150 mA
Rated operating voltage U_e DC	24 V
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

Ambient temperature	-25...70 °C
IP rating	IP67

Interface

Switching output	PNP normally open (NO)
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Material

Housing material	Plastic
Material sensing surface	Plastic

Mechanical data

Dimension	17.7 x 17.7 x 47 mm
Installation	for flush mounting

Range/Distance

Assured operating distance Sa	1.6 mm
Hysteresis H max. (% of Sr)	5.0 %
Rated operating distance Sn	2 mm
Real switching distance sr	2 mm
Repeat accuracy max. (% of Sr)	2.0 %

Remarks

Chicklet cable length = Pxxx (e.g. P100=100 mm)
Welding field immunity 1600 Gauss.

Connector Drawings



Wiring Diagrams

