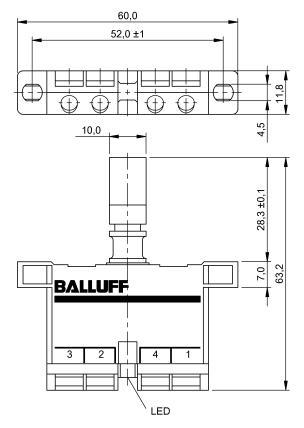
Inductive Sensors BES 517-110-RK Order Code: BES02MM





CE 🕅 🤼

Basic features

Additional features	PA
Approval/Conformity	CE
	UKCA
	WEEE
Basic standard	IEC 60947-5-2
Display/Operation	
Function indicator	yes
Power indicator	no
Electrical connection	
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at Ue	0.5 μF
Min. operating current Im	0 mA
No-load current Io max., damped	15 mA
No-load current Io max., undamped	10 mA
Operating voltage Ub	1060 VDC
Output resistance Ra	33.0 kOhm + D
Rated insulation voltage Ui	75 V DC
Rated operating current le	200 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	30 ms
Residual current Ir max.	50 μΑ
Ripple max. (% of Ue)	15 %
Switching frequency	1500 Hz
Utilization category	DC -13
Voltage drop static max.	1.5 V

Inductive Sensors BES 517-110-RK Order Code: BES02MM



Environmental condition	ons	Material	
Ambient temperature	-2570 °C	Housing material	PA 12
Contamination scale	3	Material sensing surface	PA 12
EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms		
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min	Mechanical data	
IP rating	IP67, only installed in multiple limit switches	Connection cross-section	1.5 mm²
	Switches	Dimension	60 x 11.8 x 63.2 mm
Eurotional actatu		Installation	for flush mounting
Functional safety		Tightening torque	0.5 Nm
MTTF (40 °C)	490 a		
		Range/Distance	
Interface		Assured operating distance Sa	1.6 mm
o 1	PNP normally open/normally	Hysteresis H max. (% of Sr)	15.0 %
	closed (NO/NC)	Rated operating distance Sn	2 mm
		Real switching distance sr	2 mm
		Repeat accuracy max. (% of Sr)	5.0 %
		Temperature drift max. (% of Sr)	10 %
		Tolerance Sr	±10 %

Remarks

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

Insert element must be installed in aluminum housing.

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Wiring Diagrams

