

- Normally closed (NC)
- 15.00 mm
- Non embeddable
- Connector, M12x1-S27



General attributes

Approvals / Conformity	cULus CE
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP67
Function indicator	Yes
Polarity reversal protected	Yes
Power indicator	No
Protection Class	I
Short circuit protected	Yes

Electrical attributes

Connection type	Connector
Eff. operating current I _e	250 mA
Eff. operating voltage U _e AC	110.0 V
Electrical version	UC (AC/DC)
Minimum operating current I _m	5 mA
Operating voltage U _B max. AC [V]	250.0 V
Operating voltage U _B max. DC [V]	250.0 V
Operating voltage U _B min. AC [V]	20.0 V
Operating voltage U _B min. DC [V]	20.0 V
Rated frequency, AC	50/60/DC
Rated insulation voltage U _i	250 VAC
Rated short circuit current	100 A
Short-time cur. load cap. Freq	1.0 Hz
Short-time load cap./time I _k /T	3.0 A/20 ms

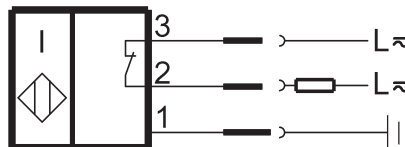
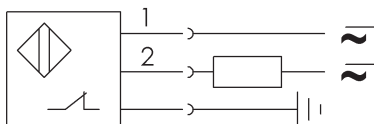
Switching freq. f max. (at U _e)	100 Hz
Switching function	Normally closed (NC)
Voltage drop dynamic max.	7.5 V
Voltage drop static max.	11.0 V

Mechanical attributes

Ambient temperature T _a max.	70 °C
Ambient temperature T _a min.	-25 °C
Assured operating distance S _a	12.10 mm
Connector type	M12x1-S27
Depth	70.5 mm
Diameter d1	M30x1.5
Eff. operating distance S _r	15.00 mm
Housing material	CuZn
Mech. installation condition	Non embeddable
Mounting length	37.5 mm
Rated operating distance S _n [mm]	15.00 mm
Sensing face material	PA 12
Surface protection	Nickel-plated
Tightening torque	70 Nm

Additional text

With connector, e.g. BKS-S 28-... total length = switch length +20 mm.
T_a ≥ 25 °C... ≤ 70 °C: I_e= 250 - 1.6x(T_a-25).
Leakage current I_r max. at rated operating voltage U_e AC 110 V
When the overload is removed, interrupt supply voltage U_b for approx.2 sec.



Inductive sensor

BES 516-218-E5-E-S27
BES02AL

BALLUFF
sensors worldwide

