



1) Fastening: screw M2



Basic features

Additional features	TNB
Approval/Conformity	CE UKCA cULus WEEE
Basic standard	IEC 60947-5-2

Display/Operation

Function indicator	yes
Power indicator	no

Electrical connection

Connection type	1. Switch position: Screw terminals
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at Ue	1 μ F
No-load current I _o max., undamped	12 mA
Output resistance R _a	2.0 kOhm + D + LED
Rated insulation voltage U _i	75 V DC
Rated operating current I _e	130 mA
Rated operating voltage U _e DC	24 V
Rated short circuit current	100 A
Ready delay t _v max.	10 ms
Residual current I _r max.	80 μ A
Ripple max. (% of U _e)	15 %
Utilization category	DC -13
Voltage drop static max.	3.5 V

Environmental conditions

Ambient temperature	-25...70 °C
Contamination scale	3
IP rating	IP67, only installed in multiple limit switches

Interface

Switching output	NPN normally open (NO)
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Material

Housing material	PA 6.6
Material sensing surface	PVDF

Mechanical Cam Switches
BES 517-311-Y-RK
Order Code: BES02MT

BALLUFF

Mechanical data

Connection cross-section	0.25...1 mm ²
Dimension	33 x 8 x 51 mm
Installation	for flush mounting
Tightening torque clamping screw	0.4 Nm

Range/Distance

Assured operating distance Sa	1. Switch position: 0.9 mm
Hysteresis H max. (% of Sr)	15.0 %
Range	1.1 mm
Rated operating distance Sn	1. Switch position: 1.1 mm
Real switching distance sr	1.1 mm
Repeat accuracy max. (% of Sr)	5.0 %
Temperature drift max. (% of Sr)	10 %

Remarks

Insert element must be installed in aluminum housing.
The sensor is functional again after the overload has been eliminated.

Wiring Diagrams

