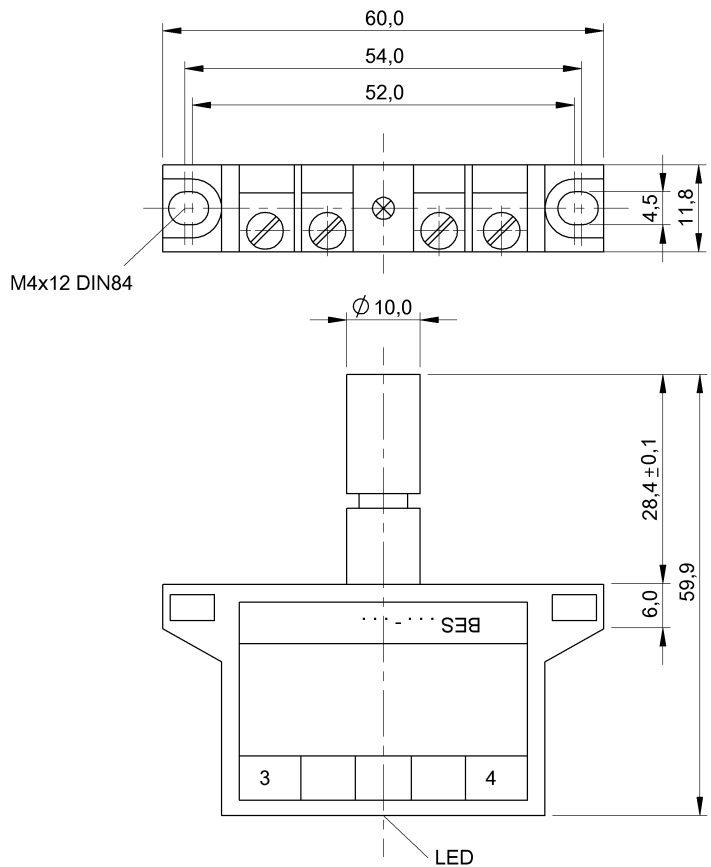




Basic features

Approval/Conformity	CE
	UKCA
	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	no
Short-circuit protection	yes

Electrical data

Load capacitance max. at Ue	0.5 µF
Rated insulation voltage Ui	75 V DC
Rated operating current Ie	100 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	30 ms
Residual current Ir max.	1350 µA
Ripple max. (% of Ue)	15 %
Utilization category	DC -13
Voltage drop static max.	7 V

Environmental conditions

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

Interface

Switching output	Non-polarized normally open (NO)
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Mechanical Cam Switches
BES 517-560-H-RK
Order Code: BES02N1

BALLUFF

Material

Housing material	PA 12
Material sensing surface	PA 12

Mechanical data

Connection cross-section	2.5 mm ²
Dimension	60 x 11.8 x 59.9 mm
Installation	for flush mounting
Tightening torque clamping screw	0.5 Nm

Range/Distance

Assured operating distance Sa	1. Switch position: 1.6 mm
Hysteresis H max. (% of Sr)	20.0 %
Range	2 mm
Rated operating distance Sn	1. Switch position: 2 mm
Real switching distance sr	2 mm
Repeat accuracy max. (% of Sr)	5.0 %
Temperature drift max. (% of Sr)	10 %

Remarks

The load can be switched optionally to one of the two lines.
The sensor is functional again after the overload has been eliminated.

Wiring Diagrams (Schematic)

