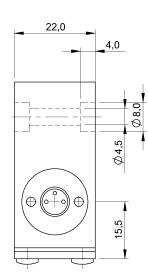
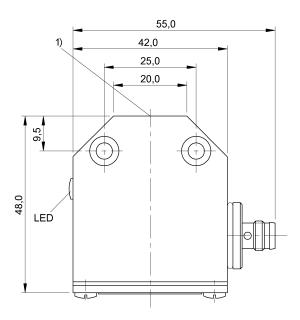
Mechanical Cam Switches BES 516-346-H2-Y-S49 **Order Code: BES01FF**







1) Sensing surface



Basic features

Approval/Conformity Basic standard Version	CE UKCA WEEE IEC 60947-5-2 Inductive
Display/Operation	
Function indicator	yes
Power indicator	no
Electrical connection	
Connection	M8x1-Male, 3-pin
Connection type	1. Switch position: Connector
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at Ue	1 μF
No-load current lo max., undamped	12 mA
Output resistance Ra	2.0 kOhm + D + LED
Rated insulation voltage Ui	75 V DC
Rated operating current le	130 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	10 ms
Residual current Ir max.	80 μΑ
Ripple max. (% of Ue)	15 %
Utilization category	DC -13
Voltage drop static max.	3.5 V

Environmental conditions

Ambient temperature	-2570
Contamination scale	3
IP rating	IP67

°C

Mechanical Cam Switches BES 516-346-H2-Y-S49 Order Code: BES01FF



Functional safety Mecha		Mechanical data	anical data	
MTTF (40 °C)	1620 a	Dimension Installation	55 x 22 x 48 mm for flush mounting	
Interface				
Switching output	PNP normally open (NO)	Range/Distance		
		Assured operating distance Sa	1. Switch position: 4 mm	
Material		Hysteresis H max. (% of Sr)	15.0 %	
		Range	5 mm	
Housing material	Aluminium, Anodized	Rated operating distance Sn	1. Switch position: 5 mm	
Housing material, surface protection		Real switching distance sr	5 mm	
Material sensing surface	PA 12	Repeat accuracy max. (% of Sr)	5.0 %	
urface protection Anodized aluminum	Temperature drift max. (% of Sr)	10 %		

Remarks

With connector, e.g. BKS-S 49-... total length = switch length +12 mm. 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.

Connector Drawings



Wiring Diagrams

