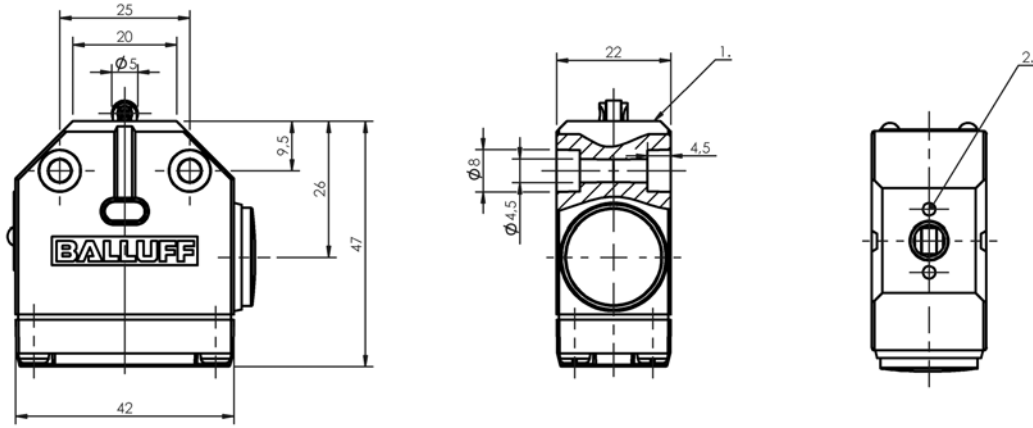


Mechanical Cam Switches
BNS 813-100-R-69
Order Code: BNS055E



1) Reference edge, 2) Mark. Safety switch position



Basic features

Approval/Conformity	CE UKCA WEEE
Basic standard	IEC 60947-5-1
Operating principle	1. Switch position: Mechanical with forced opening
Version	

Display/Operation

Function indicator	1. Switch position: None
--------------------	--------------------------

Electrical connection

Connection type	1. Switch position: Solder connection
-----------------	---------------------------------------

Electrical data

Continuous current	1. Switch position: 5 A
Rated operating voltage U _e	1. Switch position: 250 V AC
Switching function mechanical	NO forced-opening
Switching rate	1. Switch position: 200/min

Environmental conditions

Ambient temperature	-5...85 °C
IP rating	IP67

Functional safety

B10d (EN ISO 13849-1)	BSE 86: 10 mil. switching cycles
-----------------------	----------------------------------

Material

Housing material	Aluminium, Anodized
Housing material, surface protection	Anodized
Material contacts	1. Switch position: Silver
Plunger material	1. Switch position: 1.4034 stainless steel

Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1. Switch position: 60 m/min
Distance cam - reference edge	1. Switch position: 2.50...2.80 mm
Flange, feed-through	None
Life expectancy mechanical	1. Switch position: 10 mil. switching operations
Number of switching positions	Roller Mechanical
Plunger style	1st switch position: Roller
Switch actuation force	1. Switch position: 8 N
Switching element	1. Switch position: BSE 86

Range/Distance

Reproducibility	1. Switch position: ±0.05 mm
-----------------	------------------------------

Wiring Diagrams

