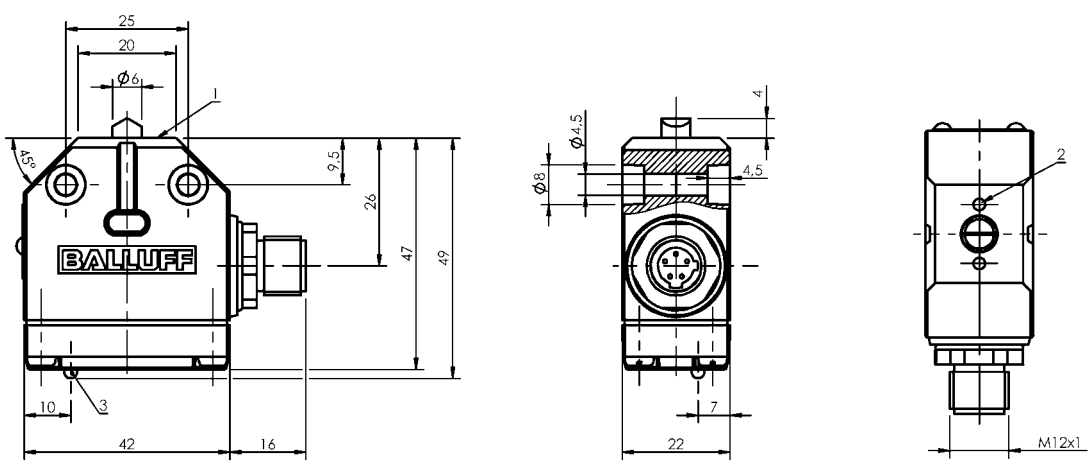


Mechanical Cam Switches
BNS 813-100-D-69-FC-S80
Order Code: BNS057E



1) Reference edge, 2) Function indicator FC, 3) Mark. Safety switch position



Basic features

Operating principle	1. Switch position: Mechanical
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Display/Operation

Function indicator	1. Switch position: FC - 6...24 V
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Electrical connection

Connection	M12x1-Flange male, 5-pin
Connection type	1. Switch position: Connector

Electrical data

Continuous current	1. Switch position: 4 A
Rated operating voltage Ue	1. Switch position: 24 V DC
Switching rate	1. Switch position: 200/min

Environmental conditions

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

Material

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

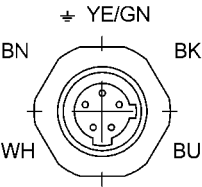
Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1. Switch position: 20 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	Chisel Mechanical
Plunger style	1st switch position: Chisel 1st switch position: Chisel
Switch actuation force	1. Switch position: 8 N
Switching element	1. Switch position: BSE 86

Range/Distance

Reproducibility	1. Switch position: ±0.02 mm
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Connector Drawings



View of connector side

Wiring Diagrams

