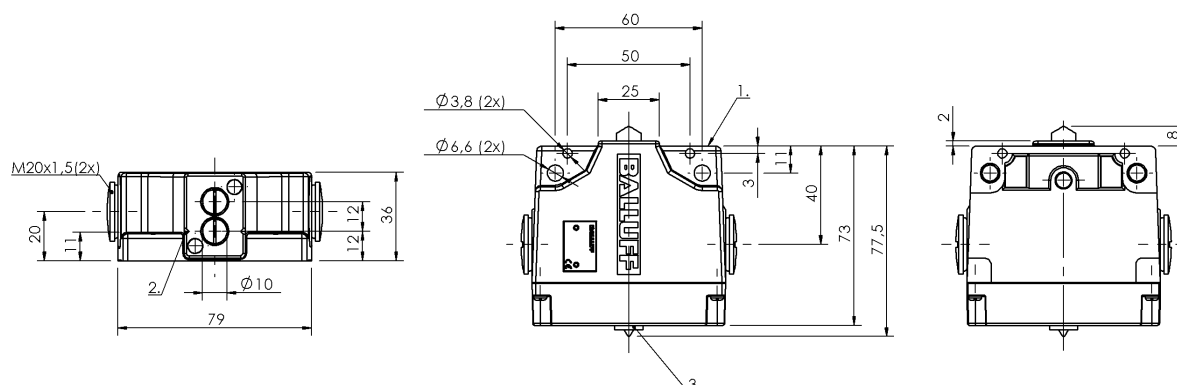




1) Reference edge, 2) Mark. Safety switch position, 3) Function indicator FD/FE/LL



Basic features

Approval/Conformity	CE UKCA WEEE
Basic standard	IEC 60947-5-1 IEC 60947-5-2
Operating principle	1. Switch position: Mechanical 2. Switch position: mechanical-inductive
Version	Safety EN 60204-1

Display/Operation

Function indicator	1. Switch position: None 2. Switch position: Optical fiber
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Electrical connection

Connection type 1-2. Switch position: Screw terminal

Electrical data

Continuous current	1. Switch position: 6 A 2. Switch position: 0.4 A
Rated operating voltage Ue	1. Switch position: 250 V AC 2. Switch position: 24 V DC
Switching function mechanical	Double-interrupting NC forced-opening per VDE
Switching rate	1. Switch position: 300/min

Environmental conditions

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

Functional safety

B10d (EN ISO 13849-1)	BSE 61: 30 mil. switching cycles
MTTF (40 °C)	BES 516-110 D: 695 a

Material

Housing material	Aluminium, Anodized
Housing material, surface protection	Anodized
Material contacts	1. Switch position: Fine silver
Plunger material	1-2. Switch position: 1.4034 stainless steel

Mechanical Cam Switches
BNS 813-B02-D12-61-A-14-01-DH
Order Code: BNS02EE



Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-2. Switch position: 40 m/min
Distance cam - reference edge	1-2. Switch position: 4.50...5.00 mm
Flange, feed-through	None
Installation	Vertical
Life expectancy mechanical	1. Switch position: 30 mil. switching operations

Number of switching positions

Chisel Mechanical + Chisel mechanical-inductive

Plunger style

1-2nd switch position: Chisel

Switch actuation force

1. Switch position: 15 N

Switching element

1. Switch position: BSE 61
2. Switch position: BES 516-110 D

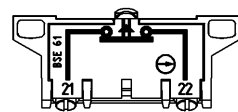
Range/Distance

Reproducibility

1-2. Switch position: ± 0.002 mm

Wiring Diagrams

BSE 61



DH

