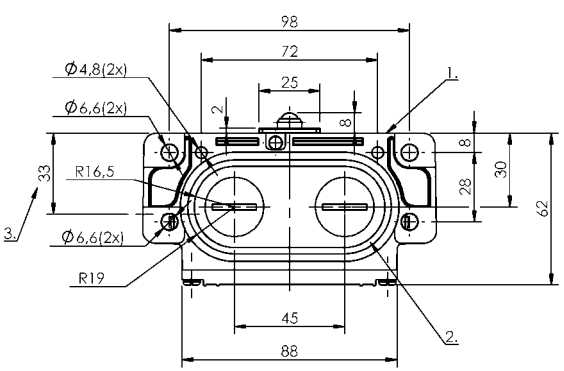
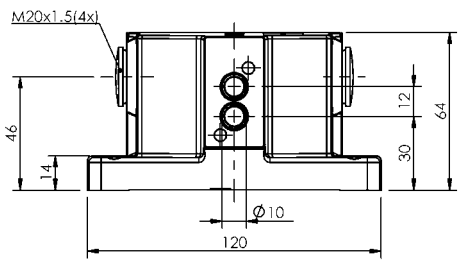
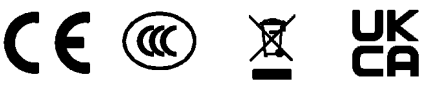


Mechanical Cam Switches
BNS 819-D02-K12-62-10
Order Code: BNS01HC



1) Reference edge, 2) Sealing ring, 3) Cable passage



Basic features

Approval/Conformity	CE UKCA CCC WEEE
Basic standard	IEC 60947-5-1
Operating principle	1-2. Switch position: Mechanical
Version	Snap contact

Display/Operation

Function indicator	1-2. Switch position: None
--------------------	----------------------------

Electrical connection

Connection type	1-2. Switch position: Screw terminal
-----------------	--------------------------------------

Electrical data

Continuous current	1-2. Switch position: 6 A
Rated operating voltage Ue	1-2. Switch position: 250 V AC
Switching rate	1-2. Switch position: 300/min

Environmental conditions

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

Functional safety

B10d (EN ISO 13849-1)	BSE 30.0: 30 mil. switching cycles
-----------------------	------------------------------------

Material

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

Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-2. Switch position: 10 m/min
Distance cam - reference edge	1-2. Switch position: 4.50...5.00 mm
Flange, feed-through	2 threaded exit M20
Installation	Vertical
Life expectancy mechanical	1-2. Switch position: 30 mil. switching operations
Number of switching positions	2x Ball Mechanical
Plunger style	1-2nd switch position: Ball
Switch actuation force	1-2. Switch position: 20 N
Switching element	1-2. Switch position: BSE 30.0

Range/Distance

Reproducibility	1-2. Switch position: ±0.002 mm
-----------------	---------------------------------

Wiring Diagrams

BSE 30.0

