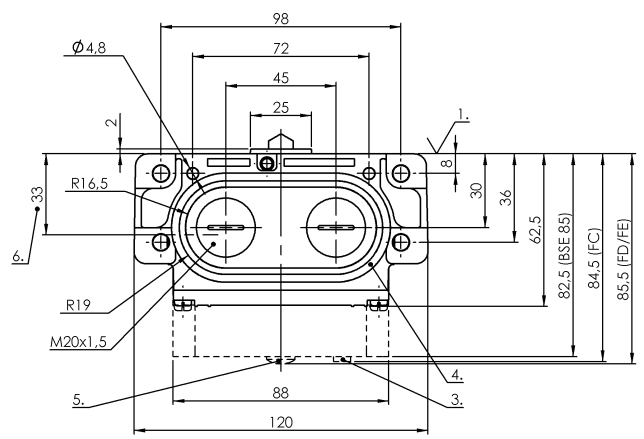
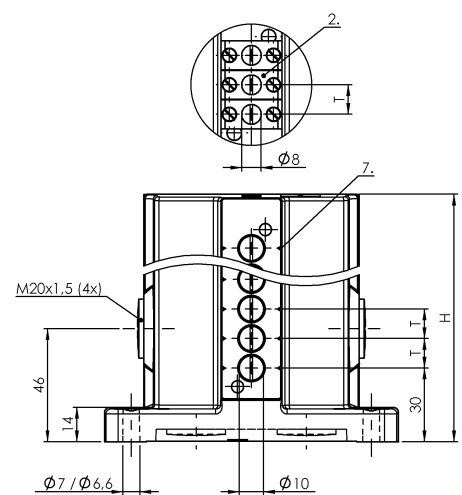


Mechanical Cam Switches
BNS 813-D05-R12-62-22-05
Order Code: BNS01F8

BALLUFF



Display/Operation

Function indicator 1-5. Switch position: None

Electrical connection

Connection type 1-5. Switch position: Screw terminal

Electrical data

Continuous current 1-5. Switch position: 6 A
Rated operating voltage Ue 1-5. Switch position: 250 V AC
Switching function mechanical Dual changeover
One NO and one NC
galvanically isolated
Normally open with snap funct.
Double-interrupting
NC forced-opening per VDE
Switching rate 1-5. Switch position: 160/min

Environmental conditions

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

Functional safety

B10d (EN ISO 13849-1) BSE 85: 1 mil. Switching operations

General data

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

Material

Housing material Aluminum
Housing material, surface protection Anodized
Material contacts 1-5. Switch position: Silver
Plunger material 1-5. Switch position: Stainless steel (1.4034)

Mechanical data

Approach direction longitudinal, parallel to attachment surface
Approach speed 1-5. Switch position: 60 m/min
Dimension 120 x 96 x 82.6 mm
Distance cam - reference edge 1-5. Switch position: 4.50...5.00 mm
Flange, feed-through 2 threaded exit M20
Installation Vertical
Life expectancy mechanical 1-5. Switch position: 1 million Switching operations
Number of switching positions 5x Chisel
Plunger spacing 1st switch position 30 mm
Plunger style 1-5. switch position: Chisel
1-5. switch position: Roller
Switch actuation force 1-5. Switch position: 30 N
Switching element 1-5. Switch position: BSE 85

Range/Distance

Reproducibility
Switch position spacing

1-5. Switch position: ± 0.02 mm
12 mm

Wiring Diagrams

BSE 85

