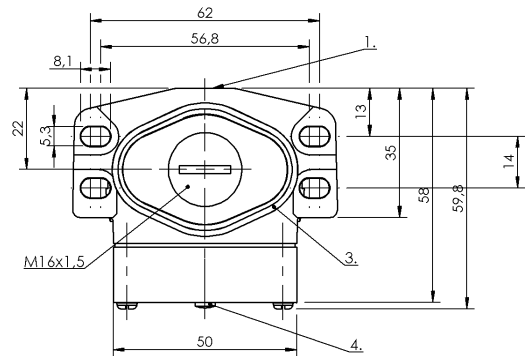
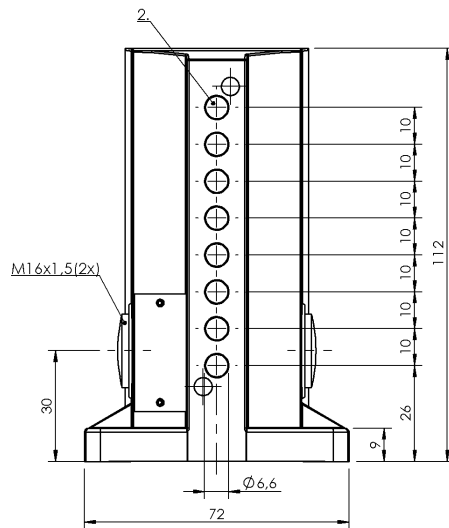


Mechanical Cam Switches
BNS 816-B08-TOB-10-603-11
Order Code: BNS03JT

BALLUFF



1) Reference edge, 2) Sensing surface, 3) Sealing ring, 4) Function indicator FD/FE/LL



Display/Operation

Function indicator 1-8. Switch position: Optical fiber

Electrical connection

Connection type 1-8. Switch position: Screw terminal
Electrical version 3-/4-wire

Electrical data

Continuous current 1-8. Switch position: 0.13 A
Rated operating voltage Ue 1-8. Switch position: 24 V DC

Environmental conditions

Ambient temperature -25...70 °C
IP rating IP67

Functional safety

MTTF (40 °C) BES 517-312-Y: 1620 a

General data

Approval/Conformity CE
 WEEE
Basic standard IEC 60947-5-2
Operating principle 1-8. Switch position: Inductive
Version Inductive

Material

Housing material Aluminum
Housing material, surface protection Anodized

Mechanical data

Dimension 72 x 112 x 60 mm
Distance cam - active surface 1-8. Switch position: 0...0.90 mm
Flange, feed-through 1 threaded exit M16
Installation Vertical
Plunger spacing 1st switch position 26 mm
Switching element 1-8. Switch position: BES 517-312-Y

Output/Interface

Switching output PNP normally open (NO)

Range/Distance

Assured operating distance Sa 1-8. Switch position: 0.9 mm
Range 1.1 mm
Rated operating distance Sn 1-8. Switch position: 1.1 mm
Switch position spacing 10 mm

Wiring Diagrams

