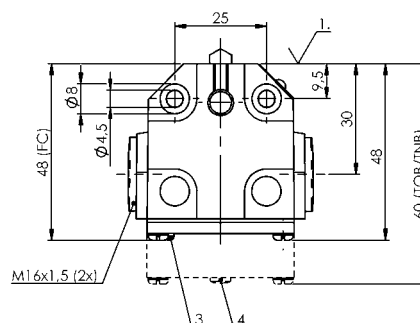
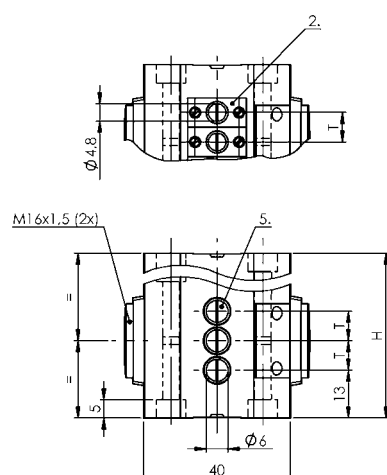


Mechanical Cam Switches

BNS 819-B02-D08-40-11-S80R

Order Code: BNS03ZR

BALLUFF



1) Reference edge, 2) Anti-crystallization plunger, 3) Function indicator FC, 4) Function indicator FD/FE/LL, 5) 1st pos.



Basic features

Operating principle 1-2. Switch position: Mechanical

Display/Operation

Function indicator 1-2. Switch position: None

Electrical connection

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

Electrical data

Continuous current 1-2. Switch position: 5 A
Rated operating voltage Ue 1-2. Switch position: 250 V AC
Switching rate 1-2. 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 1-2. Switch position: Silver
Plunger material 1-2. Switch position: 1.4034 stainless steel

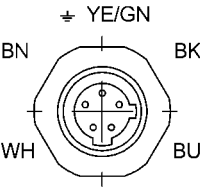
Mechanical data

Approach direction longitudinal, parallel to attachment surface
Approach speed 1-2. Switch position: 20 m/min
Dimension 40 x 34 x 48 mm
Distance cam - reference edge 1-2. Switch position: 2.30...2.80 mm
Flange, feed-through None
Installation Vertical
Life expectancy mechanical 1-2. Switch position: 10 mil. switching operations
Number of switching positions 2x Chisel Mechanical
Plunger spacing 1st switch position 13 mm
Plunger style 1-2nd switch position: Chisel
Switch actuation force 1-2. Switch position: 8 N
Switching element 1-2. Switch position: BSE 70.1

Range/Distance

Reproducibility 1-2. Switch position: ± 0.02 mm
Switch position spacing 8 mm

Connector Drawings



View of connector side

Wiring Diagrams

