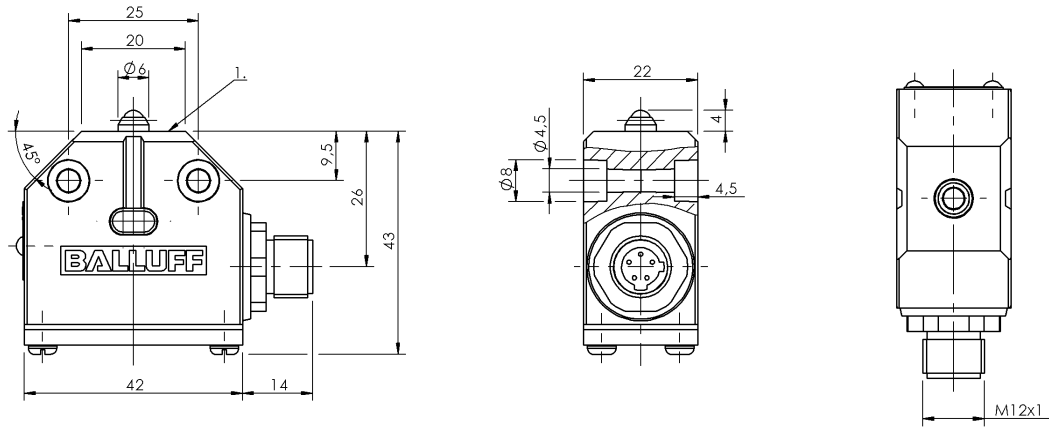
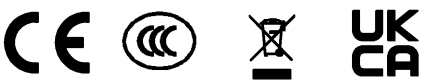


Mechanical Cam Switches
BNS 819-100-K-12-S80
Order Code: BNS0066

BALLUFF



1) Reference edge



Basic features

Operating principle 1. Switch position: Mechanical

Display/Operation

Function indicator 1. Switch position: None

Electrical connection

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

Electrical data

Continuous current 1. Switch position: 0.1 A
Rated operating voltage Ue 1. Switch position: 250 V AC
Switching rate 1. 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. Switch position: Gold
Plunger material 1. Switch position: 1.4034 stainless steel

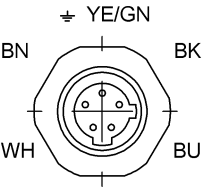
Mechanical data

Approach direction any
Approach speed 1. Switch position: 9 m/min
Dimension 42 x 22 x 43 mm
Distance cam - reference edge 1. Switch position: 2.30...2.80 mm
Flange, feed-through None
Installation any
Life expectancy mechanical 1. Switch position: 10 mil. switching operations
Number of switching positions Ball Mechanical
Plunger spacing 1st switch position 11 mm
Plunger style 1st switch position: Ball
1st switch position: Ball
Switch actuation force 1. Switch position: 8 N
Switching element 1. Switch position: BSE 73.1

Range/Distance

Reproducibility 1. Switch position: ±0.03 mm

Connector Drawings



View of connector side

Wiring Diagrams

