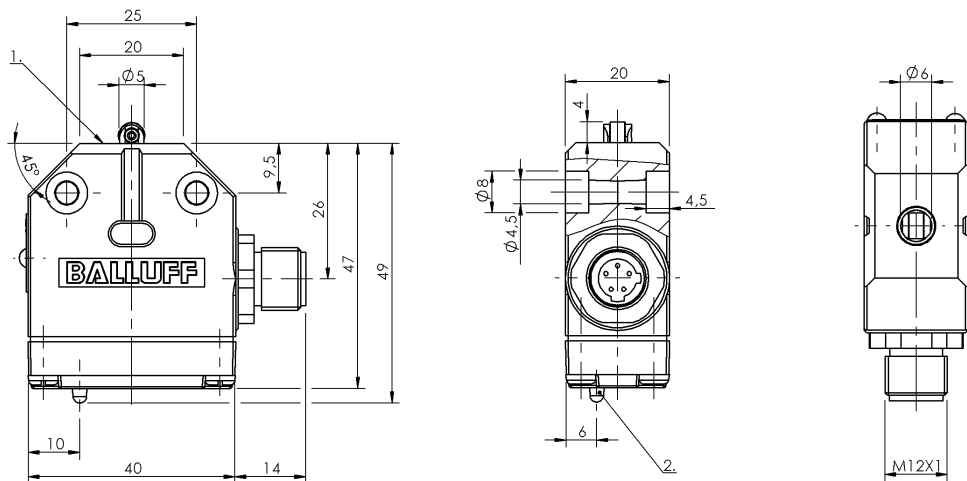




1) Reference edge, 2) Function indicator FC



Display/Operation

Function indicator 1. Switch position: FC - 6...24 V

Electrical connection

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

Electrical data

Continuous current 1. Switch position: 4 A
Rated operating voltage U_e 1. Switch position: 24 V DC
Switching function mechanical Single-pin changeover
Switching rate 1. Switch position: 200/min

Environmental conditions

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

Functional safety

B10d (EN ISO 13849-1) BSE 69.1: 10 mil. Switching operations

General data

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

Material

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

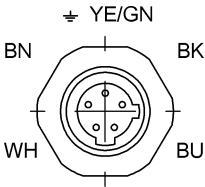
Mechanical data

Approach direction longitudinal, parallel to attachment surface
Approach speed 1. Switch position: 9 m/min
Dimension 40 x 20 x 49 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 million Switching operations
Number of switching positions 1x Roller
Plunger spacing 1st switch position 10 mm
Plunger style 1st switch position: Roller
Switch actuation force 1. Switch position: 8 N
Switching element 1. Switch position: BSE 69.1

Range/Distance

Reproducibility 1. Switch position: ±0.05 mm

Connector Drawings



View of connector side

Wiring Diagrams

