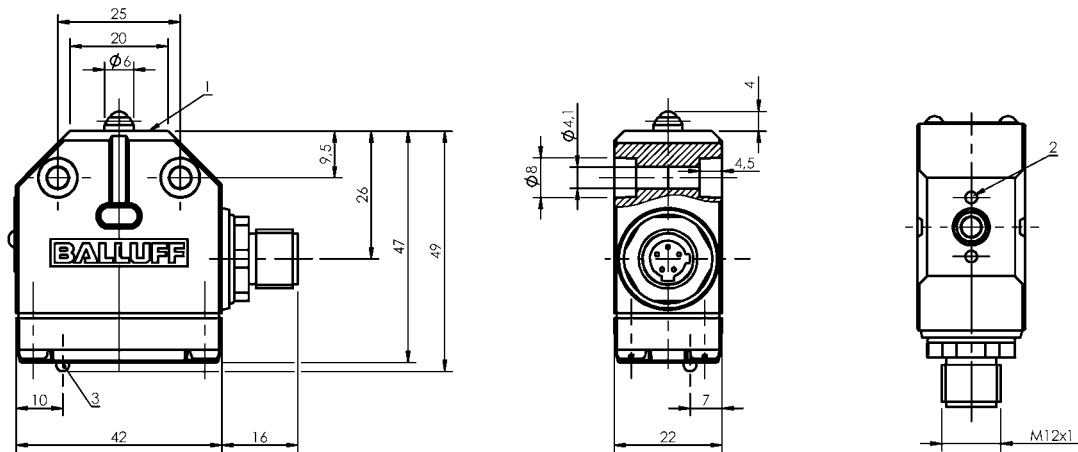




1) Reference edge, 2) Mark. Safety switch position, 3) Function indicator FC



Basic features

Operating principle 1. Switch position: Mechanical

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 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: Fine silver
Plunger material 1. Switch position: 1.4034 stainless steel

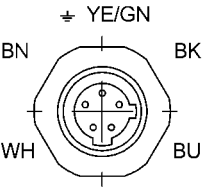
Mechanical data

Approach direction longitudinal, parallel to attachment surface
Approach speed 1. Switch position: 9 m/min
Distance cam - reference edge 1. Switch position: 2.50...2.80 mm
Flange, feed-through None
Life expectancy mechanical 1. Switch position: 10 mil. switching operations
Number of switching positions Ball Mechanical
Plunger style 1st switch position: Ball
1st switch position: Ball
Switch actuation force 1. Switch position: 8 N
Switching element 1. Switch position: BSE 86

Range/Distance

Reproducibility 1. Switch position: ± 0.03 mm

Connector Drawings



View of connector side

Wiring Diagrams

