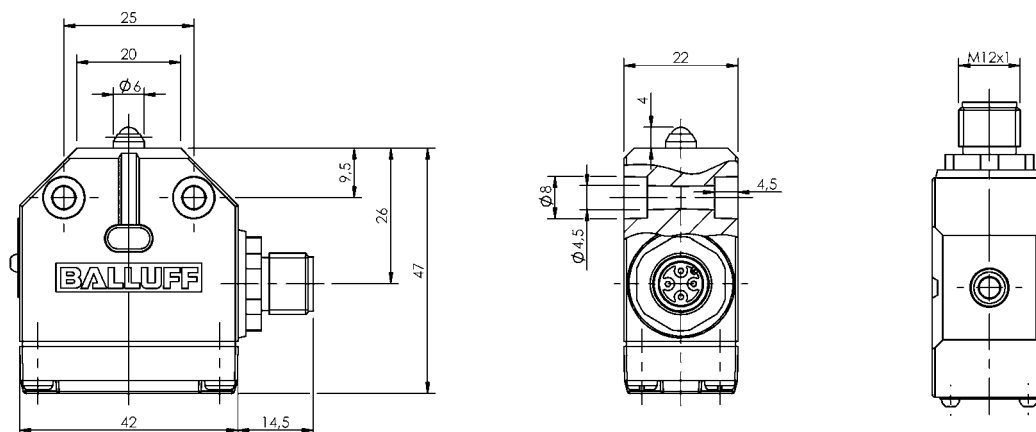




1) Reference edge



Basic features

Additional features	without ground conductor connection
Approval/Conformity	CE UKCA CCC WEEE
Basic standard	IEC 60947-5-1
Operating principle	1. Switch position: Mechanical
Version	Snap contact

Display/Operation

Function indicator 1. Switch position: None

Electrical connection

Connection	M12x1-Flange male, 4-pin, A-coded
Connection type	1. Switch position: Connector

Electrical data

Connector, order code	BKS-S 20-1-PU-03 (right-angle) BKS-S 19-1-PU-03 (straight)
Continuous current	1. Switch position: 4 A
Rated operating voltage U _e	1. Switch position: 250 V AC
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 70.1: 10 mil. switching cycles

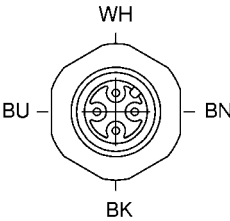
Material

Housing material	Aluminium, Anodized
Housing material, surface protection	Anodized
Material contacts	1. Switch position: Silver
Plunger material	1. Switch position: 1.4034 stainless steel

Mechanical data

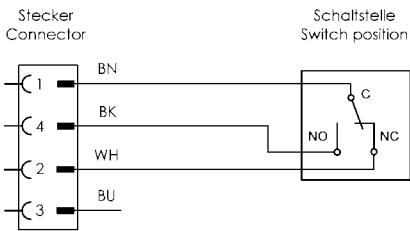
Approach direction	any
Approach speed	1. Switch position: 9 m/min
Dimension	42 x 22 x 47 mm
Distance cam - reference edge	1. Switch position: 2.30...2.80 mm
Flange, feed-through	None
Installation	any
Life expectancy mechanical	1. Switch position: 10 mil. switching operations
Number of switching positions	Ball Mechanical
Plunger spacing 1st switch position	11 mm
Plunger style	1st switch position: Ball
Switch actuation force	1. Switch position: 8 N
Switching element	1. Switch position: BSE 70.1

Connector Drawings



View of connector side

Wiring Diagrams



ACHTUNG: Stecker ohne Schutzleiter!
Schutzklasse III (VDE 0160)
Attention: No groundwire!
Protection Class III (VDE 0160)