

1) Reference edge, 2) Function indicator FD/FE/LL



### Basic features

DIN switch	DIN 43693
Operating principle	1. Switch position: Mechanical

### Display/Operation

Function indicator	1. Switch position: FD - 6...60 V
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### Electrical connection

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

### Electrical data

Continuous current	1. Switch position: 4 A
Rated operating voltage U <sub>e</sub>	1. Switch position: 6...60 V
Switching rate	1. Switch position: 300/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: Silver, gold plated
Plunger material	1. Switch position: 1.4034 stainless steel

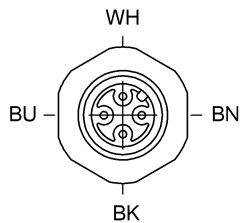
### Mechanical data

Approach direction	lateral or at right angles to mounting surface
Approach speed	1. Switch position: 60 m/min
Distance cam - reference edge	1. Switch position: 4.50...5.00 mm
Flange, feed-through	None
Installation	any
Life expectancy mechanical	1. Switch position: 30 mil. switching operations
Number of switching positions	Roller Mechanical
Plunger style	1st switch position: Roller 1st switch position: Roller
Switch actuation force	1. Switch position: 20 N
Switching element	1. Switch position: BSE 30.0

### Range/Distance

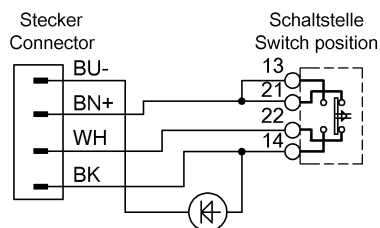
Reproducibility	1. Switch position: ±0.01 mm
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## Connector Drawings



View of connector side

## Wiring Diagrams



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