



1) Sensing surface, 2) Housing, 3) Cover



### Basic features

Approval/Conformity	CE WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Nut Screwdriver
Sensitivity	media-dependent, adjustable
Series	S01

### Display/Operation

Function indicator	yes
Power indicator	no

### Electrical connection

Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

### Electrical data

Load capacitance max. at $U_e$	10 $\mu$ F
Operating voltage $U_b$	10...35 VDC
Protection class	II
Rated insulation voltage $U_i$	75 V DC
Rated operating current $I_e$	100 mA
Rated operating voltage $U_e$ DC	24 V
Ready delay $t_v$ max.	300 ms
Residual current $I_r$ max.	200 $\mu$ A
Ripple max. (% of $U_e$ )	10 %
Switching frequency	5 Hz
Utilization category	DC -13
Voltage drop static max.	2.7 V

### Environmental conditions

Ambient temperature	-30...125 °C
Contamination scale	3
Protection degree	IP67 sensing surface: IP68 10 bar

### Functional safety

MTTF (40 °C)	873 a
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### Material

Cover material	Aluminum, Die casting
Housing material	Stainless steel (1.4305)
Material sensing surface	PTFE

Capacitive Sensors  
**BCS S01T401-POCFNG-KM16-T02**  
Order Code: BCS006J

# BALLUFF

### Mechanical data

Dimension	54.8 x 48.5 x 106 mm
Installation	non-flush
Pressure rating max.	10 bar
Thread (A)	M18x1

Tightening torque 1.5 Nm

### Output/Interface

Switching output PNP normally closed (NC)

### Wiring Diagrams

