



1) Housing rotatable by 304° 2) Tightening torque 1...1.5 Nm 3) Tightening torque 16.5 Nm

- PNP
- Normally open (NO)
- 2.00 mm
- Flush (shielded)
- Connector, 7/8"-16UN-S05

**General attributes**

Approvals / Conformity	CE
Basic standard	cULus
Enclosure Type per IEC 60529	IEC 60947-5-2
Function indicator	IP67
Magnetic field immune	Yes
Part number sealing ring	immune to magnetic DC and AC fields
Polarity reversal protected	116143
Power indicator	Yes
Scope of delivery	2 x hexagon socket screw UNC 1/4"- 20x 3/4" - 12.9
Short circuit protected	1 x O-ring Ø17.13 x 2.62
Trademark	Yes
	Strokemaster

Electrical attributes

Connection type	Connector
Eff. operating current I _e	200 mA
Eff. operating voltage U _e DC	24.0 V
Electrical version	DC, direct current
Load capacitance max. (at U _e)	1.000 µF
Magnetic field strength	100 kA/m
Max. no-load cur. I _o undamped	10.0 mA
Minimum operating current I _m	0 mA
No-load current I _o damped max.	18.0 mA
Operating voltage U _B max. DC [V]	30.0 V
Operating voltage U _B min. DC [V]	10.0 V
Rated insulation voltage U _i	75 VDC

Rated short circuit current	100 A
Ripple max. (% of U _e)	15 %
Switching freq. f max. (at U _e)	10 Hz
Switching function	Normally open (NO)
Switching output	PNP
Voltage drop static max.	2.5 V

Mechanical attributes

Ambient temperature T _a max.	70 °C
Ambient temperature T _a min.	-25 °C
Assured operating distance S _a	1.60 mm
Connector type	7/8"-16UN-S05
Diameter d1	D12.7
Eff. operating distance S _r	2.00 mm
Height (small side)	48.0 mm
Housing material	1.4104 / GD-ZnAl
Length L	L = 1.025" ±0.005" (26.04)
Mech. installation condition	Flush (shielded)
Pressure resistance	oilpressure-rated to 3000 psi
Rated operating distance S _n [mm]	2.00 mm
Sensing face material	Ceramic
Size of sealing ring	17.13 x 2.62
Surface protection	Nickel-plated
Width (long side)	64.2 mm

Additional text

The sensor is functional again after the overload has been eliminated.
LED 1: Function; LED 2: Operating voltage

Inductive sensor

BES 516-300-S295/1.025"-S5
BHS003K

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