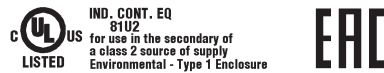


1) O-ring with support ring

- PNP
- Normally open (NO)
- 1.50 mm
- Flush (shielded)
- Cable, PUR, 5.00 m



General attributes

Approvals / Conformity	CE cULus EAC
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP68 according to BWN PR 20
Function indicator	No
Part number sealing ring	636594
Part number thrust ring	705918
Polarity reversal protected	Yes
Power indicator	No
Short circuit protected	Yes

Electrical attributes

Connection type	Cable
Eff. operating current Ie	200 mA
Eff. operating voltage Ue DC	24.0 V
Electrical version	DC, direct current
Load capacitance max. (at Ue)	0.500 µF
Max. no-load cur. I0 undamped	1.0 mA
Minimum operating current Im	0 mA
No-load current I0 damped max.	10.0 mA
Operating voltage UB max. DC [V]	30.0 V
Operating voltage UB min. DC [V]	10.0 V
Rated insulation voltage Ui	75 VDC
Rated short circuit current	100 A
Ripple max. (% of Ue)	15 %
Switching freq. f max. (at Ue)	1000 Hz
Switching function	Normally open (NO)
Switching output	PNP

Voltage drop static max. 1.5 V

Mechanical attributes

Ambient temperature Ta max.	80 °C
Ambient temperature Ta min.	-25 °C
Assured operating distance Sa	1.20 mm
Cable diameter D max.	3.5 mm
Cable jacket material	PUR
Cable length	5.00 m
Conductor cross-section	0.14 mm ²
Depth	61.0 mm
Diameter d1	M12x1
Eff. operating distance Sr	1.50 mm
Housing material	1.4104
Mech. installation condition	Flush (shielded)
Mounting hi-pressure switches	M12x1
Mounting length	37.5 mm
Number of conductors	3
Pressure resistance	oilpressure-rated to 500 bar
Rated operating distance Sn [mm]	1.50 mm
Sensing face material	EP
Size of sealing ring	5.85 x 2.4
Thrust ring material	PTFE
Tightening torque	25 Nm ±10 %

Additional text

The sensor is functional again after the overload has been eliminated.
 Pressure rated even for O2, N2O, N2, air.
 Installation instructions 614804.

Inductive sensor

BES 516-300-S135-D-PU-05

Order code: BHS001F

BALLUFF
sensors worldwide

