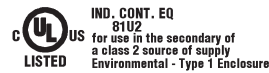


1) Active surface

- PNP
- NO/NC
- 40.00 mm
- Non embeddable
- Connector, M12x1-S04



General attributes

Additional features	Factor 1
Approvals / Conformity	CE
	cULus
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP67
Function indicator	Yes
Magnetic field immune	immune to magnetic DC and AC fields
Operating distance marking	■ ■
Polarity reversal protected	Yes
Power indicator	Yes
Protection Class	II
Short circuit protected	Yes
Trademark	Factor 1

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	15.0 mA
Minimum operating current I _m	0 mA

No-load current I _o damped max.	20.0 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	250 VAC
Rated short circuit current	100 A
Ripple max. (% of U _e)	15 %
Switching freq. f max. (at U _e)	100 Hz
Switching function	NO/NC
Switching output	PNP
Voltage drop static max.	2.5 V

Mechanical attributes

Ambient temperature T _a max.	70 °C
Ambient temperature T _a min.	-10 °C
Assured operating distance S _a	32.40 mm
Connector type	M12x1-S04
Depth	62.0 mm
Eff. operating distance S _r	40.00 mm
Height (small side)	40.0 mm
Housing material	PBT
Mech. installation condition	Non embeddable
Rated operating distance S _n [mm]	40.00 mm
Sensing face material	PBT
Width (long side)	40.0 mm

Inductive sensor

BES Q40KFU-PAC40E-S04G

Order code: BES021M

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sensors worldwide

Additional text

LED 1: Function; LED 2: Operating voltage

Switching distance specifications and tolerance apply to the shown location of the active surface.

The sensor is functional again after the overload has been eliminated.

