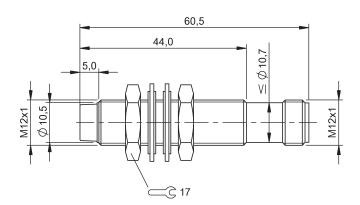
BES 113-356-SA31-S4 BES02M8





- PNP
- Normally open (NO)
- 4.00 mm
- Non embeddable
- Connector, M12x1-S04

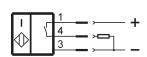
General attributes

Additional features
Approvals / Conformity

Basic standard Enclosure Type per IEC 60529 Polarity reversal protected Short circuit protected

Electrical attributes

Connection type
Eff. operating current le
Eff. operating voltage Ue DC
Electrical version
Load capacitance max. (at Ue)
Max. no-load cur. lo undamped
Minimum operating current Im
No-load current lo damped max.
Operating voltage UB max. DC [V]
Rated insulation voltage Ui
Rated short circuit current
Ripple max. (% of Ue)
Switching freq. f max. (at Ue)



With internal function checking CE EAC IEC 60947-5-2 IP67 Yes Yes

Connector
130 mA
24.0 V
DC, direct current
0.150 µF
10.0 mA
5 mA
10.0 mA
30.0 V
20.0 V
75 VDC
100 A
15 %
300 Hz



C€ EH[

Switching function Switching output Voltage drop static max.

Mechanical attributesAmbient temperature Ta max.

Ambient temperature Ta min.
Assured operating distance Sa
Connector type
Depth
Diameter d1
Eff. operating distance Sr
Housing material
Mech. installation condition
Mounting length
Rated operating distance Sn [mm]
Sensing face material
Tightening torque

Normally open (NO) PNP 3.5 V

70 °C 0 °C 3.20 mm M12x1-S04 60.5 mm M12x1 4.00 mm Stainless steel Non embeddable 39.0 mm LCP 12 Nm

Additional text

Test pulses ≤ 0.5 ms typ. 160 Hz are overlayed on the output signal, which pulses may be missing when there is a sensor fault (simple fault).

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