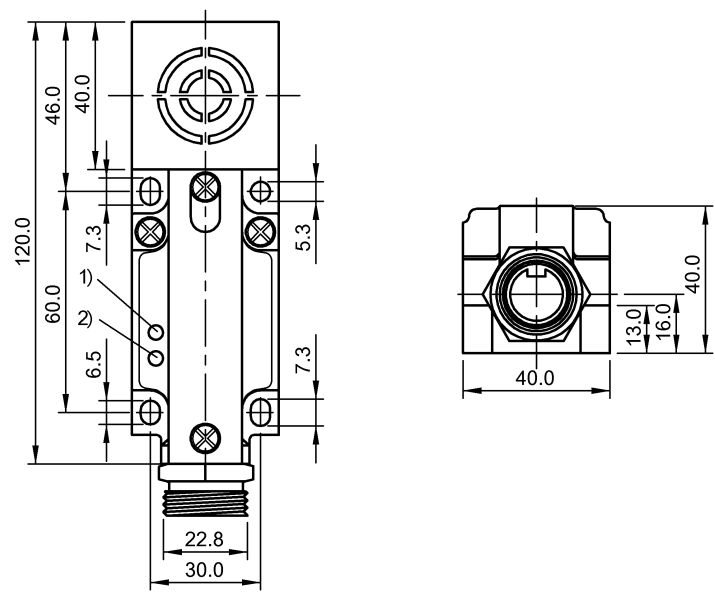


Inductive Sensors
BES 517-223-U4-E-S5
Order Code: BES0246



1) LED function indicator, 2) LED operating voltage



Display/Operation

Power indicator	no
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Electrical connection

Connection	7/8"-16 UN-Male
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Min. operating current I _m	5 mA
Operating voltage U _b	20...250 VDC/20...250 VAC
Protection class	I
Rated insulation voltage U _i	250 V AC
Rated operating current I _e	250 mA
Rated operating voltage U _e AC	110 V
Rated short circuit current	100 A
Ready delay t _v max.	200 ms
Residual current I _r max.	1700 µA
Switching frequency	100 Hz
Voltage drop static max.	10.5 V

Environmental conditions

Ambient temperature	-25...70 °C
Contamination scale	3
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP67

Interface

Switching output	NO/NC
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Material

Housing material	Aluminum PBT, Die casting
Material sensing surface	PBT

Mechanical data

Dimension	120 x 40 x 40 mm
Installation	non-flush
Size	40x40

Range/Distance

Assured operating distance Sa	16 mm
Hysteresis H max. (% of Sr)	20.0 %
Rated operating distance Sn	20 mm

Real switching distance sr	20 mm
Repeat accuracy max. (% of Sr)	5.0 %
Temperature drift max. (% of Sr)	10 %
Tolerance Sr	±10 %

Connector Drawings



Wiring Diagrams

