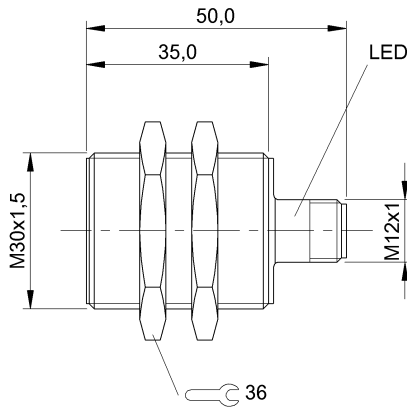


## BES M30MF-UOC15B-S04K BES027H



IND. CONT. EQ  
81U2  
US for use in the secondary of  
a class 2 source of supply  
Environmental - Type 1 Enclosure



### Display/Operation

Function indicator	yes
Power indicator	no

### Electrical connection

Connection	M12x1-Connector, 4-pole, A-coded
Polarity reversal protected	yes
Short-circuit protection	yes

### Electrical data

Hysteresis H max. (% of Sr)	20.0 %
Load capacitance max. at Ue	1 µF
Operating voltage Ub	10...36 VDC
Pollution degree	3
Protected against miswiring	yes
Rated insulation voltage Ui	75 V DC
Rated operating current Ie DC	100 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	50 ms
Repeat accuracy max. (% of Sr)	5.0 %
Residual current Ir max.	600 µA
Switching frequency	400 Hz
Utilization category	DC -13
Voltage drop static max.	5 V

### Environmental conditions

Ambient temperature	-25...70 °C
Protection type IEC 60529	IP67

### General data

Approval/Conformity	CE cULus EAC
Basic standard	IEC 60947-5-2
Trademark	Global

### Material

Housing material	Brass
Material sensing surface	PA 12
Surface protection	nickel-free coated

### Mechanical data

Dimension	Ø 30 x 50 mm
Installation	for flush mounting
Size	M30x1.5
Tightening torque	70 Nm

### Output/Interface

Switching output	Non-polarized Normally closed (NC)
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### Range/Distance

Assured operating distance Sa	12 mm
Range	15 mm
Rated operating distance Sn	15 mm
Ripple max. (% of Ue)	15 %
Switching distance marking	■ ■
Temperature drift max. (% of Sr)	10 %

## BES M30MF-UOC15B-S04K BES027H

### Remarks

The sensor is functional again after the overload has been eliminated.  
Shielded: See installation instructions for inductive sensors with extended range 825357.  
Specify maximum attainable switching frequency (not per IEC 60947-5-2)

### Connector view



### Wiring Diagram

