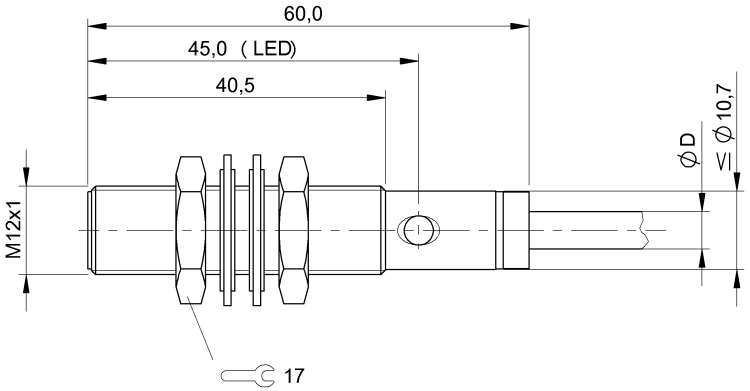
BES 516-118-BO-C-PU-05
BES016C



IND. CONT. EQ
81U2
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

Cable diameter D	4.60 mm
Cable length	5 m
Conductor cross-section	0.25 mm²
Connection type	Cable, 5.00 m, PUR
Number of conductors	4
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Hysteresis H max. (% of Sr)	15.0 %
Load capacitance max. at Ue	1 µF
No-load current Io max., undamped	20 mA
Operating voltage Ub	10…30 VDC
Output resistance Ra	1.8 kOhm + D + LED/4.7 kOhm + D
Pollution degree	3
Protected against miswiring	yes
Rated insulation voltage Ui	250 V AC
Rated operating current Ie DC	200 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	30 ms
Repeat accuracy max. (% of Sr)	5.0 %
Residual current Ir max.	80 µA
Switching frequency	800 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

Ambient temperature	-25…70 °C
Protection class	II
Protection type IEC 60529	IP68

General data

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

Material

Housing material	Stainless steel
Material jacket	PUR
Material sensing surface	PA 12

Mechanical data

Dimension	Ø 12 x 60 mm
Installation	for flush mounting
Size	M12x1
Tightening torque	20 Nm

Output/Interface

Switching output	NPN Normally open/Normally closed (NO/NC)

Range/Distance

Assured operating distance Sa	1.6 mm
Range	2 mm
Rated operating distance Sn	2 mm

Ripple max. (% of Ue)	15 %
Temperature drift max. (% of Sr)	10 %

Remarks

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

Wiring Diagram