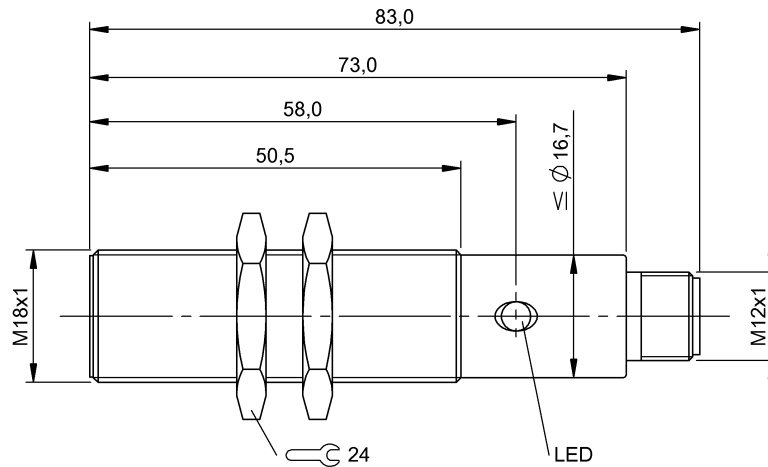


BES 516-326-G-S4-C BES01CT



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

Connection	M12x1-Connector, 4-pole, A-coded
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 I _o max., undamped	7 mA
Operating voltage U _b	10...30 VDC
Output resistance R _a	33.0 kOhm + D
Pollution degree	3
Protected against miswiring	yes
Rated insulation voltage U _i	75 V DC
Rated operating current I _e DC	200 mA
Rated operating voltage U _e DC	24 V
Rated short circuit current	100 A
Ready delay t _v max.	30 ms
Repeat accuracy max. (% of Sr)	5.0 %
Residual current I _r max.	80 µA
Switching frequency	80 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

Ambient temperature	0...70 °C
Protection class	II

Protection type IEC 60529

IP67

General data

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

Material

Housing material	Brass
Material sensing surface	PBT
Surface protection	nickel plates

Mechanical data

Dimension	Ø 18 x 83 mm
Installation	for flush mounting
Size	M18x1
Tightening torque	25 Nm

Output/Interface

Switching output	PNP Normally open (NO)
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Range/Distance

Assured operating distance S _a	6.4 mm
Range	8 mm
Rated operating distance S _n	8 mm
Ripple max. (% of U _e)	15 %
Switching distance marking	■ ■
Temperature drift max. (% of Sr)	10 %

BES 516-326-G-S4-C
BES01CT

Remarks

Shielded: See installation instructions for inductive sensors with extended range 825357.
The sensor is functional again after the overload has been eliminated.

Connector view



Wiring Diagram

