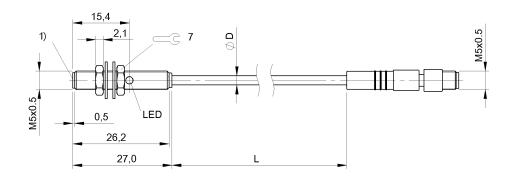
# BES 516-3005-G-E4-C-S26-00,3

Order Code: BES00H5





#### 1) Sensing surface









Pacic	. f +.	

Basic reatures	
Approval/Conformity	CE UKCA cULus WEEE
Basic standard	IEC 60947-5-2
Display/Operation	
Function indicator Power indicator	yes no

Electrical connection	
Cable diameter D	3.00 mm
Cable length L	0.3 m
Connection	M5x0.5-Male
Connection type	Cable with connector, 0.30 m, PUR
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

### Electrical data

Load capacitance max. at Ue	1 μF
Min. operating current Im	0 mA
No-load current Io max., damped	6 mA
No-load current Io max., undamped	2 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	Open drain
Rated insulation voltage Ui	75 V DC
Rated operating current le	100 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	21 ms
Residual current Ir max.	10 μΑ
Ripple max. (% of Ue)	10 %
Switching frequency	5000 Hz
Utilization category	DC -13
Voltage drop static max.	2 V

Environmental condition	ns
Ambient temperature	-2570 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 g <sub>n</sub> , 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP67
Functional safety	

305 a

MTTF (40 °C)

# BES 516-3005-G-E4-C-S26-00,3 Order Code: BES00H5

# BALLUFF

±10 %

#### Interface

Switching output PNP normally open (NO)

#### Material

Housing materialStainless steelMaterial jacketPURMaterial sensing surfacePBT

#### Mechanical data

 Dimension
 Ø 5 x 27 mm

 Installation
 for flush mounting

 Mounting length
 26.00 mm

 Size
 M5x0.5

 Tightening torque
 1 Nm

### Range/Distance

Assured operating distance Sa Hysteresis H max. (% of Sr) Rated operating distance Sn Real switching distance sr Repeat accuracy max. (% of Sr) Switching distance marking Temperature drift max. (% of Sr) Tolerance Sr 1.21 mm 15.0 % 1.5 mm 1.5 mm 5.0 %

#### Remarks

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

EMC: Surge resistance

External protection circuit is required. Document 825345, Section 2.

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

# **Connector Drawings**



## Wiring Diagrams (Schematic)

