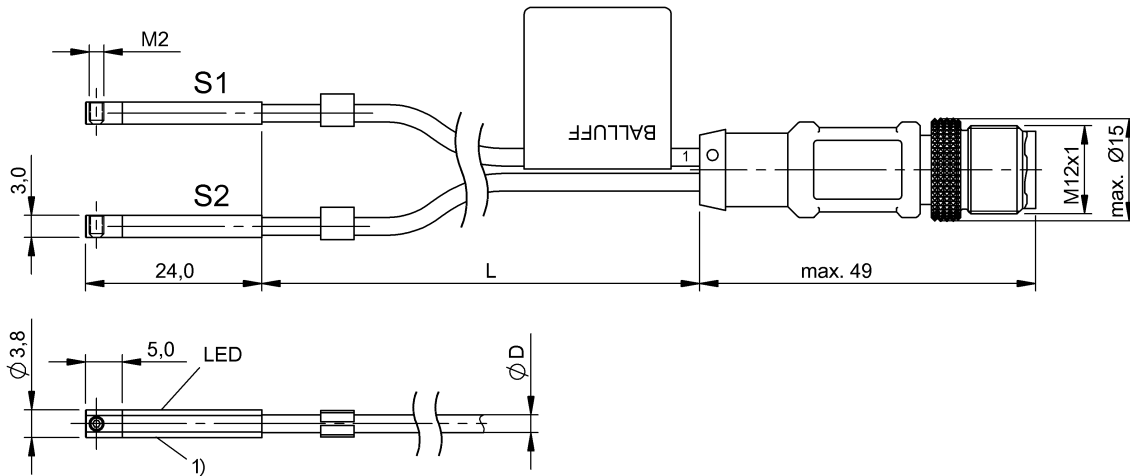


## BMF 243K-NS-C-2A-SA95-S4-00,3 BMF00FA



1) Sensing surface



### Display/Operation

Function indicator	yes
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### Electrical connection

Cable diameter D	2.40 mm
Cable length	0.3 m
Connection	M12x1-Connector, 4-pole, A-coded
Connection type	Cable with connector, 0.30 m, PUR
Polarity reversal protected	yes
Short-circuit protection	yes

### Electrical data

Assured switching field strength $H_a$	2.4 kA/m
Hysteresis $H$ max. (% of $H_n$ )	45 %
Load capacitance max. at $U_e$	0.45 $\mu$ F
No-load current $I_0$ max., undamped	8 mA
Operating voltage $U_b$	10...30 VDC
Output resistance $R_a$	Open drain
Pollution degree	3
Protected against miswiring	yes
Rated insulation voltage $U_i$	75 V DC
Rated operating current $I_e$ DC	100 mA
Rated operating voltage $U_e$ DC	24 V
Rated short circuit current	100 A
Rated switch field strength $H_n$	2 kA/m
Residual current $I_r$ max.	40 $\mu$ A
Switching frequency	3000 Hz
Turn-off delay $t_{off}$ max.	0.07 ms
Turn-on delay $t_{on}$ max.	0.07 ms
Utilization category	DC -13

Voltage drop static max. 2 V

### Environmental conditions

Ambient temperature	-25...85 °C
Protection type IEC 60529	IP67

### General data

Application	Pneumatic cylinder with C-slot, e.g. SMC, Festo*, Schunk, Sommer, Gimatic (*not suitable for Festo Series ADVC and AEVC)
Approval/Conformity	cULus CE
Basic standard	IEC 60947-5-2
Scope of delivery	Cable clip for C-slot Offset screwdriver DIN 911 size 0.9
Trademark	Global

### Material

Housing material	PA, PA 12
Material jacket	PUR
Material sensing surface	PA 12

### Mechanical data

Clamping screw material	Stainless steel
Dimension	24 x 3 x 3.75 mm
Fastening detail	can be installed in C-slot from above
Tightening torque	0.07 Nm

## BMF 243K-NS-C-2A-SA95-S4-00,3 BMF00FA

### Output/Interface

Switching output NPN Normally open (NO)

### Range/Distance

Ripple max. (% of Ue) 15 %

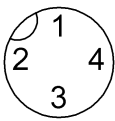
Temp. drift max. (% of Hn) 0.3 %

### Remarks

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

Installation instructions 889416

### Connector view



### Wiring Diagram

