

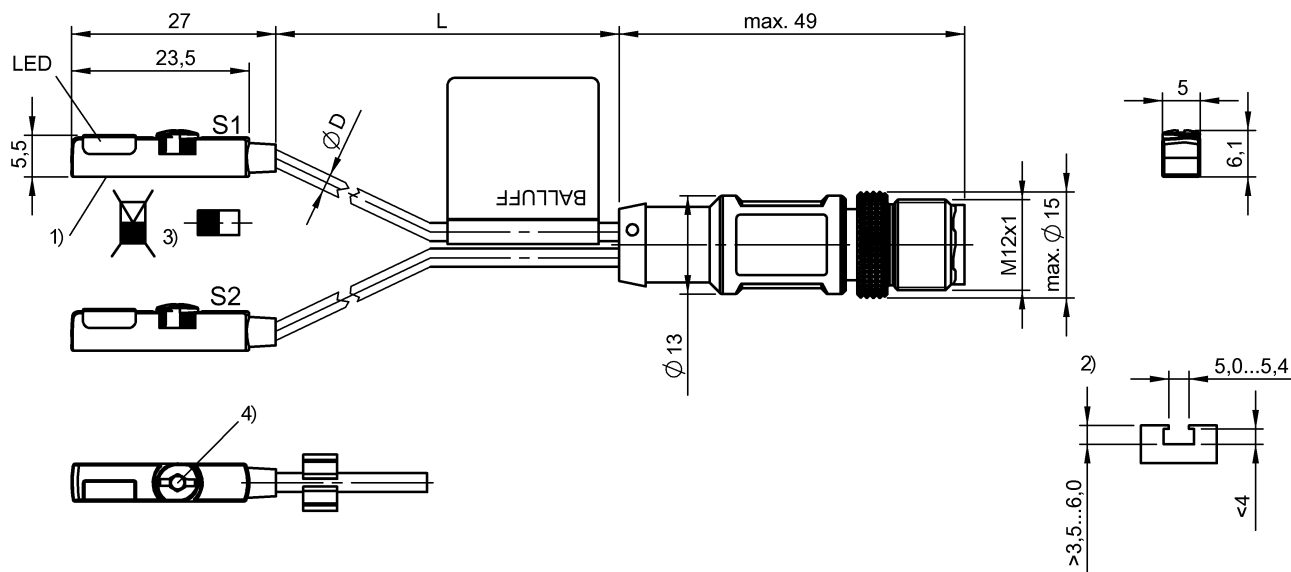
BMF 235K-PS-C-2A-SA95-S4-00,3
Ordering code: BMF00C9

Sensors for cylinders
BMF 235
Cylinder housing: T-slot

PNP, Normally open (NO)
Miniature

BALLUFF

sensors worldwide



1) Active surface, 2) See remarks, 3) See remarks, 4) See remarks

Characteristic data

Connection type	Cable with connector
Operating voltage	10...30 V DC
Short-circuit protected	yes
Protected against polarity reversal	yes
Protected against miswiring	no

Electrical data

Electrical version	DC, direct current
Rated operating voltage U_e DC	24,0
Effective operating current I_e	200 mA
Rated insulation voltage U_i	75 DC
Rated short circuit current	100 A
Output resistance R_a	Open drain
Load capacitance max. (at U_e)	1 μ F
No-load current I_o damped max.	6 mA
Max. no-load cur. I_o undamped	3 mA
Off-state current I_r max.	80 μ A
Ripple max. (% of U_e)	15
Switching freq. f max.	3000 Hz
Voltage drop static max.	2,5 V
Turn-off delay t_{off} max.	0,10 ms
Turn-on delay t_{on} max.	0,10 ms
Rated switching field strength	1,2 kA/m
Assured switching field strength	2 kA/m

Mechanical data

Housing material	PA 12
Sensing surface material	PU
Cable jacket material	PUR
Cable short designation	Li12Y11Y-O
Cable length	0,3 m
Cable diameter D max.	2,5
Connector type	M12x1-S04
Ambient temperature	-25...85 °C
Temperature drift max. % of H_n	0,3 %
Tightening torque	0.4 Nm

Basic data

Enclosure Type per IEC 60529	IP67
Degree of contamination	3
Basic standard	IEC 60947-5-2
Utilisation category	DC 13

Remarks

- Scope of delivery Cable clip for T-slot
- 2) Application area: pneumatic cylinder with t-slot. For dimensions, see sketch in product view.
- 4) Hex key size 2.0 mm: Max. tightening torque 0.4 Nm. Screwdriver 4x0.8 mm: Max. tightening torque 1 Nm
- 3) Damping magnet, axially magnetized
- Rated operating current I_e for thermally coupled installation in metal.



BMF 235K-PS-C-2A-SA95-S4-00,3
Ordering code: BMF00C9

Sensors for cylinders
BMF 235
Cylinder housing: T-slot

PNP, Normally open (NO)
Miniature

BALLUFF
sensors worldwide

