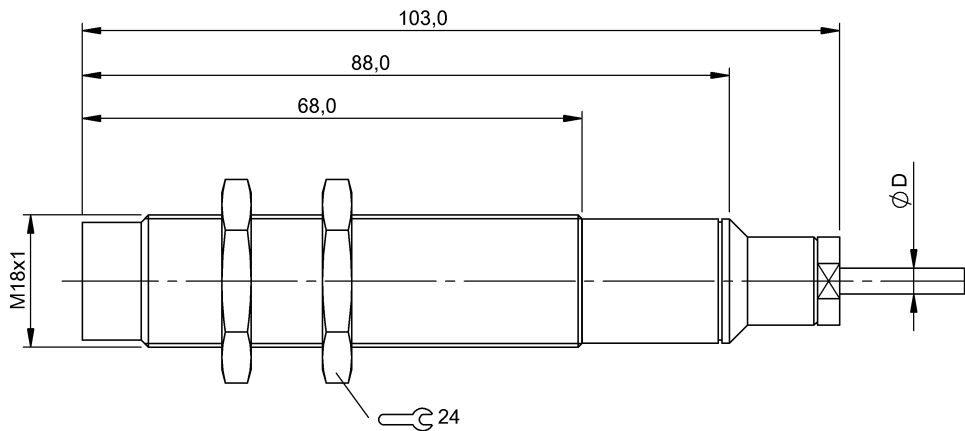


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Electrical connection

Cable diameter D	3.70 mm
Cable length	5 m
Conductor cross-section	0.34 mm ²
Connection type	Cable, 5.00 m, PTFE
Number of conductors	3
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Hysteresis H max. (% of Sr)	10.0 %
No-load current I ₀ max., undamped	7 mA
Operating voltage U _b	10...30 VDC
Rated insulation voltage U _i	75 V DC
Rated operating current I _e DC	200 mA
Rated operating voltage U _e DC	24 V
Ready delay t _v max.	160 ms
Repeat accuracy max. (% of Sr)	5.0 %
Residual current I _r max.	20 µA
Switching frequency	200 Hz
Voltage drop static max.	2.5 V

Environmental conditions

Ambient temperature	-25...160 °C
Protection type IEC 60529	IP68

General data

Approval/Conformity	CE EAC
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Material

Housing material	Stainless steel (1.4571)
Material jacket	PTFE, FEP
Material sensing surface	PEEK

Mechanical data

Dimension	Ø 18 x 103 mm
Installation	non-flush
Size	M18x1
Tightening torque	25 Nm

Output/Interface

Switching output	NPN Normally open (NO)
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Range/Distance

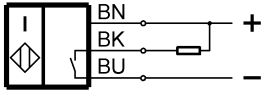
Assured operating distance S _a	6.5 mm
Range	8 mm
Rated operating distance S _n	8 mm
Ripple max. (% of U _e)	10 %
Temperature drift max. (% of S _r)	20 %

Remarks

Installation instructions for ultra-high temperature rated inductive sensors 887015
The sensor is functional again after the overload has been eliminated.

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Wiring Diagram



Diagram

