

Inductive sensor

NMB10-18GM55-E2-355MM-4DT06

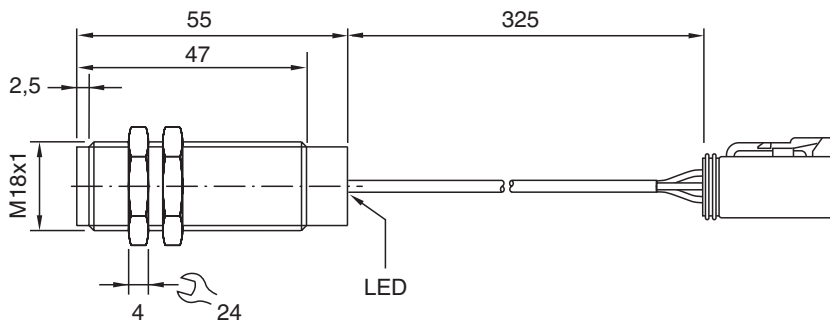


- 10 mm flush
- Stainless steel sensing face
- Increased operating distance
- Deutsch 4-pin, DT04 connector

Inductive sensor



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	10 mm
Installation		flush (Requirements: see drawing below)
Output polarity		DC
Assured operating distance	s_a	0 ... 8.1 mm
Actuating element		Ferrous and nonferrous targets
Reduction factor r_{Al}		0.4
Reduction factor r_{Cu}		0.25
Reduction factor r_{304}		0.85
Reduction factor r_{Si37}		1
Output type		3-wire

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	0 ... 240 Hz
Hysteresis	H	3 ... 15 typ. 10 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2 V
Operating current	I_L	≤ 200 mA
Off-state current	I_r	10 μ A

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

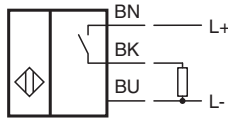
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

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Technical Data

No-load supply current	I ₀	≤ 10 mA
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow
Functional safety related parameters		
MTTF _d		847 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		fixed cable with plug
Core cross section		0.5 mm ²
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67
Connector		
Connection assembly		Deutsch connector DT06-4S-C015 Deutsch contact 1062-16-0622 Deutsch plug 114017 Deutsch wedge W4S
Cable		
Cable diameter		6.2 mm ± 0.2 mm
Bending radius		> 10 x cable diameter
Material		PUR
Color		black
Number of cores		3
Length	L	L = 325 mm
Dimensions		
Length		55 mm
Diameter		18 mm
Mounting		with nuts, M18
Note		Deutsch connector
General information		
Scope of delivery		2 self locking nuts in scope of delivery

Connection

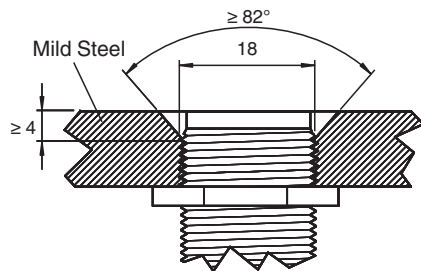


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Connection

1	BN
2	BK
3	PLUG
4	BU

Mounting



Sensor face is flush with mounting surface.