

Inductive sensor

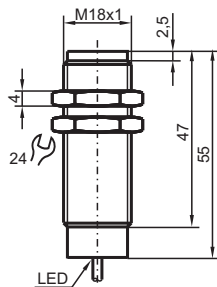
NMB5-18GM55-E2-FE



- Stainless steel sensing face
- Sensing range 5 mm
- 3-wire DC
- Ferrous targets



Dimensions



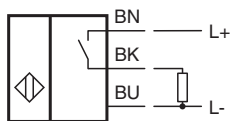
Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s _n	5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s _a	0 ... 4.05 mm
Actuating element		Ferrous targets
Reduction factor r _{Al}		0
Reduction factor r _{Cu}		0
Reduction factor r ₃₀₄		0.8
Reduction factor r _{Si37}		1
Nominal ratings		

Technical Data

Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	15 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		yes
Short-circuit protection		yes
Voltage drop	U_d	≤ 2 V
Operating current	I_L	≤ 100 mA
Current consumption		< 14 mA
Off-state current	I_r	≤ 10 μ A
Functional safety related parameters		
MTTF _d		990 a
Mission Time (T_M)		20 a
Diagnostic Coverage (DC)		0 %
Indicators/operating means		
Operation indicator		Dual LED Green: power Yellow: output
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated ≤ 36 V
Ambient conditions		
Ambient temperature		-40 ... 70 °C (-40 ... 158 °F)
Mechanical specifications		
Connection type		2 m PUR cable
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		IP69K

Connection



Accessories

	AB-18	Mounting aid
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