Inductive sensor

NCN12-18GM50-Z5-V1

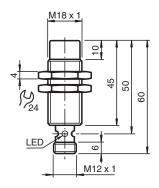
- 12 mm non-flush
- 2-wire DC
- Increased operating distance







Dimensions



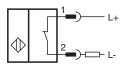
Technical Data

General specifications

	Normally closed (NC)
	Two-wire
Sn	12 mm
	non-flush
	DC
Sa	0 9.1 mm
	0.5
	0.45
	0.75
	0.55
	2-wire
U_B	3.5 30 V
f	0 1000 Hz
	reverse polarity-conductive
	pulsing
U_{d}	≤ 3.5 V
	± 15%
IL	2 100 mA
I _r	typ. 0.8 mA
	S _a U _B f

Technical Data	
Toomiour Data	
Switching state indicator	LED, yellow
Functional safety related parameters	
MTTF _d	1556 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %
Compliance with standards and directives	
Standard conformity	
Standards	EN IEC 60947-5-2
Approvals and certificates	
UL approval	cULus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤36 V
Ambient conditions	
Ambient temperature	-25 70 °C (-13 158 °F)
Storage temperature	-25 85 °C (-13 185 °F)
Mechanical specifications	
Connection type	Connector plug
Housing material	brass, nickel-plated
Sensing face	PBT
Degree of protection	IP67
Connector	
Threading	M12 x 1
Number of pins	4
Mass	51 g
Dimensions	
Length	60 mm
Diameter	18 mm

Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

