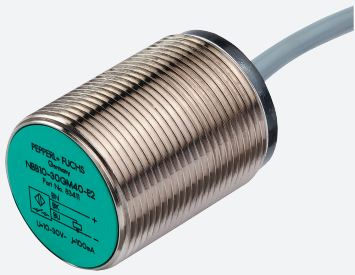


Inductive sensor

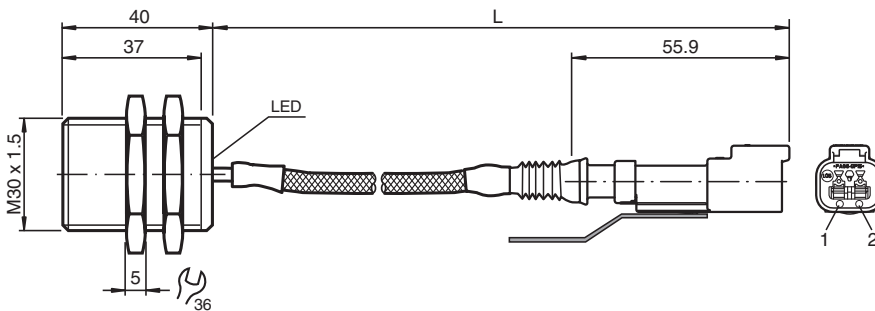
NCB10-30GM40-Z0-Y70166634



- Comfort series
- 10 mm flush
- 2-wire DC



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	10 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 8.1 mm
Actual operating distance	s_r	9 ... 11 mm typ.
Reduction factor r_{Al}		0.32
Reduction factor r_{Cu}		0.28
Reduction factor r_{304}		0.7
Output type		2-wire

Nominal ratings

Operating voltage	U_B	5 ... 60 V
Switching frequency	f	0 ... 150 Hz
Hysteresis	H	1 ... 10 % typ. 5 %
Reverse polarity protection		reverse polarity tolerant

Release date: 2024-12-10 Date of issue: 2024-12-10 Filename: 70166634_eng.pdf

Technical Data

Short-circuit protection		pulsing
Voltage drop	U_d	≤ 5 V
Operating current	I_L	2 ... 100 mA
Lowest operating current	I_m	2 mA
Off-state current	I_r	0 ... 0.5 mA typ.
Time delay before availability	t_v	\leq
Switching state indicator		all direction LED, yellow
Functional safety related parameters		
MTTF _d		1830 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		UL Recognized , Class 2 power source
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		fixed cable with plug
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT
Degree of protection		IP67
Connector		
Number of pins		2
Connection assembly		Deutsch connector DT04-2P-CE04 Deutsch contact 1060-16-0644 Deutsch wedge W2P Deutsch retaining clip 1027-003-1200 Copat protective sleeve: 1/20392/87EY
Cable		
Cable diameter		4.3 mm \pm 0.1 mm
Bending radius		> 15 x cable diameter
Material		PUR
Color		black
Number of cores		2
Core cross section		0.5 mm ²
Length	L	0.42 m
Cable protection		Panduit flexible conduit SE25P-MR8
Dimensions		
Length		40 mm
Diameter		30 mm

Connection

