

Model Number

NBB0,6-3M22-E0

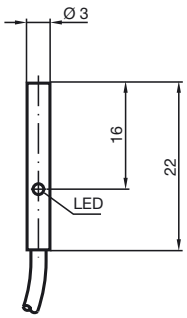
Features

- **0.6 mm flush**
- **Miniature design**

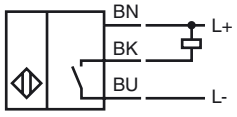
Technical Data

General specifications		
Switching element function		NPN NO
Rated operating distance	s_n	0.6 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 0.486 mm
Reduction factor r_{Al}		0.4
Reduction factor r_{Cu}		0.29
Reduction factor r_{304}		0.76
Reduction factor r_{Brass}		0.46
Nominal ratings		
Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 1400 Hz
Hysteresis	H	typ. 5%
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 100 mA
Off-state current	I_r	0 ... 0.1 mA typ. at 25 °C
No-load supply current	I_0	≤ 10 mA
Switching state indicator		LED, yellow
Functional safety related parameters		
$MTTF_d$		1329 a
Mission Time (T_M)		20 a
Diagnostic Coverage (DC)		0 %
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cable PUR 2 m
Core cross-section		0.055 mm^2
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PC
Degree of protection		IP67
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

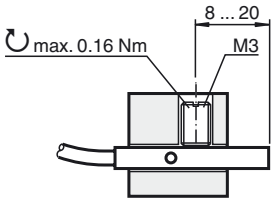
Dimensions



Electrical Connection



Release date: 2015-04-16 13:39 Date of issue: 2015-04-16 206379_eng.xml



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Refer to “General Notes Relating to Pepperl+Fuchs Product Information”.
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