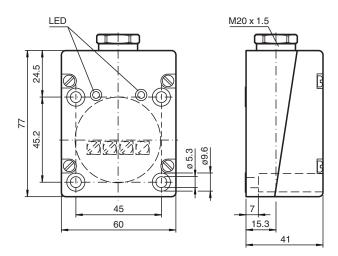


Inductive sensor NBB25-FPS-A2

- 25 mm flush
- 4-wire DC



Dimensions



Technical Data

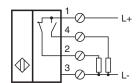
General specifications		
Switching function		complementary
Output type		PNP
Rated operating distance	Sn	25 mm
Installation		flush
Output polarity		DC
Assured operating distance	Sa	0 15.75 mm
Actuating element		mild steel, e. g. 1.0037, SR235JR (formerly St37-2) 75 mm x 75 mm x 1 mm
Reduction factor r _{AI}		0.5
Reduction factor r _{Cu}		0.4
Reduction factor r ₃₀₄		0.8
Reduction factor r _{Brass}		0.5
Nominal ratings		
Operating voltage	U_B	10 30 V DC
Switching frequency	f	0 70 Hz
Hysteresis	Н	0.05 5.5 mm

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

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Technical Data		
Reverse polarity protection		yes
Short-circuit protection		yes
Overload resistance		yes
Wire breakage protection		yes
Inductive overvoltage protection		yes
Surge suppression		yes
Ripple		10 %
Voltage drop	U _d	≤ 2.5 V
Repeat accuracy	R	1 mm
Operating current	I _L	0 200 mA
Off-state current	I _r	≤ 0.01 mA
No-load supply current	ır I ₀	≤ 20 mA
Time delay before availability	t _v	≤ 100 ms
Operating voltage indicator	r/	LED, green
Switching state indicator		LED, yellow
Functional safety related parameters		LLD, yellow
MTTF _d		1390 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0%
Compliance with standards and directives		0 /0
Standard conformity		
Standards		EN 60947-5-2:2007
Startuarus		IEC 60947-5-2:2007
Approvals and certificates		
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-25 85 °C (-13 185 °F)
Storage temperature		-40 85 °C (-40 185 °F)
Mechanical specifications		
Connection type		screw terminals
Core cross-section		up to 2.5 mm ²
Housing material		PBT
Sensing face		PBT
Housing base		PBT
Degree of protection		IP65
Mass		270 g

Connection



The large sensing range ensures positive detection, and thus provides consistent control and monitoring of the conveyor.

