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## Inductive proximity switches NBN3-F25-E8 5M



For installation in housing  
Direct mounting on standard actuators  
Satisfies machinery directive

### General specifications

Switching element function	PNP Dual Make function
Rated operating distance	3 mm
Installation	embeddable
Output polarity	DC
Assured operating distance	0 ... 2.43 mm
Reduction factor $r_{Al}$	0.5
Reduction factor $r_{Cu}$	0.4
Reduction factor $r_{V2A}$	1
Reduction factor $r_{St37}$	1.1

### Nominal ratings

Operating voltage	10 ... 30 V
Switching frequency	0 ... 500 Hz
Hysteresis	typ. 5 %
Reverse polarity protection	all connections
Short-circuit protection	pulsing
Voltage drop	≤ 3 V
Operating current	0 ... 200 mA
Off-state current	0 ... 0.5 mA typ. 0.1 μA at 25 °C
No-load supply current	≤ 25 mA
Operating voltage display	LED, green
Indication of the switching state	LED, yellow

### Standard conformity

EMC in accordance with Standards	IEC / EN 60947-5-2:2004 IEC / EN 60947-5-2:2004
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### Ambient conditions

Ambient temperature	-25 ... 70 °C
Storage temperature	-40 ... 85 °C

### Mechanical specifications

Connection type	5 m, PVC cable
Core cross-section	0.75 mm <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Protection degree	IP67
Note	Mounted on mechanical drive

### Further documents

Document	Description	Language	Edition
<a href="#">cad0273.igs</a>	336 KB 3D Modell (IGS)/3D model (IGS)		
<a href="#">cad0273.stp</a>	282 KB 3D Modell (STP)/3D model (STP)		

Pepperl+Fuchs GmbH, Königsberger Allee 87, D-68307 Mannheim, Tel.: 0621/776-0 (Main Office) 776-1111 (Factory Automation) 776-2222 (Process Automation)