

# CE

## **Model Number**

NBN4-F25-E8-V1

#### **Features**

- Direct mounting on standard actuators Small construction with sturdy plastic •
- housing of protection class IP 67
- LED for power on ٠
- M12 male connector ٠

#### Accessories

BT32 Activator for F25 series BT33 Activator for F25 series **BT**34 Activator for F25 series BT32XAS Activator for F25 series BT43-RG-01 Activator for F25 series including protective housing and mounting plate

Technical Data			
General specifications			
Switching element function		PNP	Dual NO
Rated operating distance	s <sub>n</sub>	4 mm	
Installation		flush mounta	able
Output polarity		DC	
Assured operating distance	Sa	0 3.24 mm	1
Actual operating distance	s <sub>r</sub>	3.6 4.4 mm typ.	
Reduction factor r <sub>Al</sub>		0.5	
Reduction factor r <sub>Cu</sub>		0.4	
Reduction factor r <sub>304</sub>		1	
Reduction factor r <sub>St37</sub>		1.1	
Nominal ratings			
Operating voltage	UB	10 30 V D	C
Switching frequency	f	0 1000 Hz	
Hysteresis	Н	typ. 5 %	
Reverse polarity protection		reverse pola	rity protected
Short-circuit protection		pulsing	
Voltage drop	U <sub>d</sub>	≤ 2.5 V	
Operating current	ΙL	0 200 mA	
Off-state current	l <sub>r</sub>		yp. 0.1 μA at 25 °C
No-load supply current	lo	≤22.5 mA	
Time delay before availability	t <sub>v</sub>	≤ 100 ms	
Operating voltage indicator		LED, green	
Switching state indicator		LED, yellow	
Ambient conditions			
Ambient temperature			(-13 158 °F)
Storage temperature		-40 85 °C	(-40 185 °F)
Mechanical specifications			
Connection type			l12 x 1 , 4-pin
Housing material		PBT	
Sensing face		PC	
Degree of protection		IP67	
Mass		48 g	
Tightening torque, fastening screws		M5 x 25 : 2.7	
Note		Mounted on	mechanical drive

- Compliance with standards and directives
  - Standard conformity
  - Standards

## Approvals and certificates

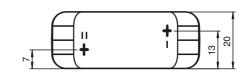
CCC approval

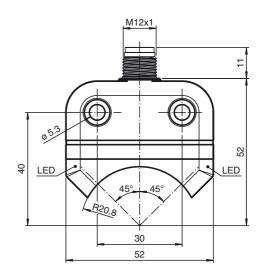
#### Dimensions

## flush mountable DC 0 ... 3.24 mm 3.6 ... 4.4 mm typ. 0.5 0.4 1 1.1 10 ... 30 V DC 0 ... 1000 Hz typ. 5 % reverse polarity protected $\begin{array}{l} \text{pulsing} \\ \leq 2.5 \text{ V} \end{array}$ 0 ... 200 mA 0 ... 0.5 mA typ. 0.1 μA at 25 °C ≤ 22.5 mA ≤ 100 ms LED, green LED, yellow -25 ... 70 °C (-13 ... 158 °F) -40 ... 85 °C (-40 ... 185 °F) Connector M12 x 1 , 4-pin PBT PC IP67 48 g M5 x 25 : 2.7 Nm

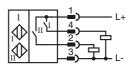
EN 60947-5-2:2007 IEC 60947-5-2:2007

CCC approval / marking not required for products rated ≤36 V





## **Electrical Connection**



PEPPERL+FUCHS

1

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

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# Pinout



Wire colors in accordance with EN 60947-5-2

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

