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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
- M12 male connector

Accessories

BT32

Activator for F25 series

BT33

Activator for F25 series

BT34

Activator for F25 series BT32XAS

Activator for F25 series

BT43-RG-01

Activator for F25 series including protective housing and mounting plate

Techn	ical	Data
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General specifications	
Switching function	2 x normally open (NO)
Output type	PNP

Output type Rated operating distance 4 mm Installation flush mountable Output polarity DC Assured operating distance 0 ... 3.24 mm Actual operating distance 3.6 ... 4.4 mm typ. Reduction factor r_{Al} 0.5 Reduction factor r_{Cu} 0.4 Reduction factor r₃₀₄ Reduction factor r_{St37} 1.1

Output type **Nominal ratings**

Operating voltage 10 ... 30 V DC U_B 0 ... 1000 Hz Switching frequency Н typ. 5 % Hysteresis

Reverse polarity protection reverse polarity protected

Short-circuit protection pulsing Voltage drop ≤ 2.5 V 0 ... 200 mA Operating current

Off-state current 0 ... 0.5 mA typ. 0.1 μA at 25 °C

3-wire

No-load supply current ≤ 22.5 mA Time delay before availability Operating voltage indicator ≤ 100 ms LED, green Switching state indicator LED, yellow

Functional safety related parameters

MTTF_d
Mission Time (T_M) 860 a 20 a Diagnostic Coverage (DC) 0%

Ambient conditions

-25 ... 70 °C (-13 ... 158 °F) -40 ... 85 °C (-40 ... 185 °F) Ambient temperature Storage temperature

Mechanical specifications

Connection type Connector M12 x 1, 4-pin

Housing material PBT Sensing face РС Degree of protection IP67 48 g M5 x 25 : 2.7 Nm Tightening torque, fastening screws

Mounted on mechanical drive

Compliance with standards and directives

Standard conformity

EN 60947-5-2:2007 Standards

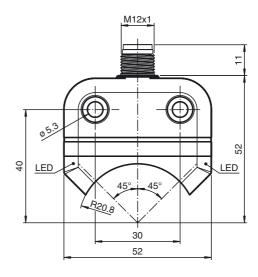
IEC 60947-5-2:2007

Approvals and certificates

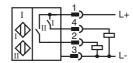
CCC approval CCC approval / marking not required for products rated ≤36 V

Dimensions





Electrical Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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

Coreline