

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

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	Fechnical Data		
(General specifications		
	Switching function		2 x nor
	Output type		PNP
	Rated operating distance	Sn	4 mm
	Installation		flush r
	Output polarity		DC
	Assured operating distance	sa	0 3.2
	Actual operating distance	Sr	3.6 4
	Reduction factor r _{Al}	•	0.5
	Reduction factor r _{Cu}		0.4
	Reduction factor r ₃₀₄		1
	Reduction factor r _{St37}		1.1
	Output type		3-wire
	Nominal ratings		
	Operating voltage	U _B	10 3
	Switching frequency	f	0 10
	Hysteresis	Н	typ. 5
	Reverse polarity protection		reverse
	Short-circuit protection		pulsing
	Voltage drop	Ud	≤ 2.5 \
	Design data	u	
	Operating current	l _l	0 20
	Off-state current	٦,	0 0.
	No-load supply current	I ₀	≤22.5
	Time delay before availability	ťv	≤ 100 ı
	Operating voltage indicator		LED, g
	Switching state indicator		LED, y
	Functional safety related parameter	ers	-
	MTTFd		860 a
	Mission Time (T _M)		20 a
	Diagnostic Coverage (DC)		0 %
1	Ambient conditions		
	Ambient temperature		-25 '
	Storage temperature		-40 i
1	Mechanical specifications		
1	-		Canna
	Connection type Connector housing		Conne metal
	Housing material		PBT
			PDI
	Sensing face		IP67
	Degree of protection Mass		48 g
	Tightening torque, fastening screws		M5 x 2
	Note		Mount
	Compliance with standards and		WOULD
	directives		
	Standard conformity		
	Standards		EN 60
	Stanualus		EN 60
			IEC 60

	2 x normally open (NO)
	PNP
Sn	4 mm
	flush mountable
	DC
sa	0 3.24 mm
Sr	3.6 4.4 mm typ.
	0.5
	0.4
	1
	1.1
	3-wire
U	10 30 V DC
f	0 1000 Hz
н	typ. 5 %
	reverse polarity protected
	pulsing
Uc	≤2.5 V
۱L	0 200 mA
l _r	0 0.5 mA typ. 0.1 μA at 25 °C
I ₀	≤ 22.5 mA
tv	≤ 100 ms
	LED, green
	LED, yellow
ers	
	860 a
	20 a
	0 %
	-25 70 °C (-13 158 °F)
	-40 85 °C (-40 185 °F)
	Connector plug M12 x 1, 4-pin
	metal
	PBT
	PC
	IP67
	48 g
S	M5 x 25 : 2.7 Nm
	Mounted on mechanical drive
	EN 60947-5-2:2007
	EN 60947-5-2/A1:2012

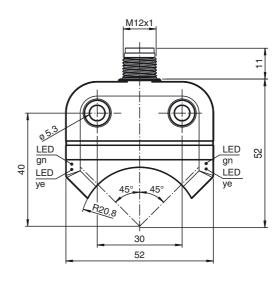
EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012

Approvals and certificates

UL approval CCC approval

Dimensions

cULus Listed CCC approval / marking not required for products rated ${\leq}36$ V



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

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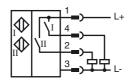
USA: +1 330 486 0001 fa-info@us.pepperl-fuchs.com Germany: +49 621 776 4411 fa-info@de.pepperl-fuchs.com Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com



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Electrical Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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

Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com

