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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

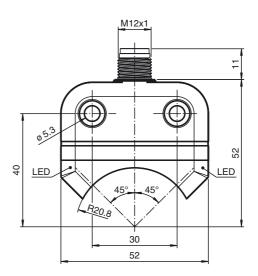
Activator for F25 series including protective housing and mounting plate

Technical Data		
General specifications		
Switching function		2 x normally open (NO)
Output type		PNP
Rated operating distance	s _n	4 mm
Installation		flush mountable
Output polarity		DC
Assured operating distance	s _a	0 3.24 mm
Actual operating distance	s _r	3.6 4.4 mm typ.
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	UB	10 30 V DC
Switching frequency	f	0 1000 Hz
Hysteresis	Н	typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop Operating current	U _d	≤ 2.5 V 0 200 mA
Off-state current	Iլ Ir	0 0.5 mA typ. 0.1 μA at 25 °C
No-load supply current	I _O	≤ 22.5 mA
Time delay before availability	t _v	≤ 100 ms
Operating voltage indicator	٧.	LED, green
Switching state indicator		LED, yellow
Functional safety related parameter	ers	, yoo
MTTF _d		860 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0%
Ambient conditions		
Ambient temperature		-25 70 °C (-13 158 °F)
Storage temperature		-40 85 °C (-40 185 °F)
Mechanical specifications		-40 03 0 (-40 103 1)
•		Commonton M10 v. 1 . 4 min
Connection type Housing material		Connector M12 x 1 , 4-pin PBT
Sensing flace		PC PC
Degree of protection		IP67
Mass		48 q
Tightening torque, fastening screws		M5 x 25 : 2.7 Nm
Note		Mounted on mechanical drive
Compliance with standards and di	rective	
Standard conformity		
,		EN 60047 E 0:0007
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates		

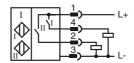
CCC approval Dimensions



CCC approval / marking not required for products rated \leq 36 V



Electrical Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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