



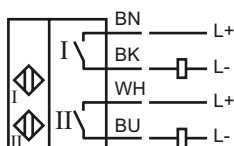
Model Number

NBN3-F25-Z8-5M

Features

- For installation in housing
- Satisfies machinery directive

Connection



Accessories

BT32

BT32XS

Activator for F25 series

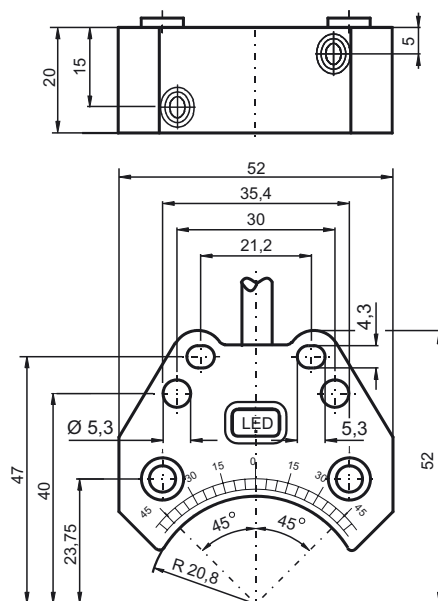
BT32XAS

Activator for F25 series

BT33

BT34

Dimensions



Technical Data

General specifications

Switching element function	Dual (NO)
Rated operating distance	s_n 3 mm
Installation	embeddable mountable
Output polarity	DC
Assured operating distance	s_a 0 ... 2.43 mm
Reduction factor r_{Al}	0.5
Reduction factor r_{Cu}	0.4
Reduction factor r_{303}	1
Reduction factor r_{Si37}	1.1

Nominal ratings

Operating voltage	U_B 6 ... 60 V DC
Switching frequency	f 0 ... 500 Hz
Hysteresis	H typ. 5 %
Reverse polarity protected	tolerant
Short-circuit protection	no
Voltage drop	U_d \leq 5 V
Operating current	I_L 4 ... 100 mA
Lowest operating current	I_m 4 mA
Off-state current	I_r 0 ... 1 mA typ. 0.7 mA
Indication of the switching state	LED, yellow

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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Mechanical specifications

Connection type	cable PVC , 5 m
Core cross-section	0.75 mm ²
Housing material	PBT
Sensing face	PBT
Protection degree	IP67
Tightening torque, fastening screws	M5 x 25 : 2.7 Nm
Note	Mounted on mechanical drive

Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose