







Model Number

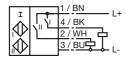
NBN3-F25F-E8-V1

Features

- For installation in housing
- Satisfies machinery directive

Connection





Pinout



Wire colors in accordance with EN 60947-5-2

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

Accessories

038141_eng.xml

2012-05-16

Date of issue:

16 08:55

2012-05-

Activator for F25 series

BT32XS Activator for F25 series

BT32XAS

Activator for F25 series

Activator for F25 series

Activator for F25 series

V1-G

4-pin, M12 female field-attachable connector

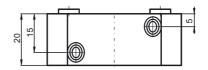
V1-W

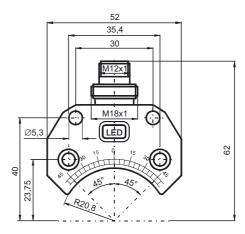
4-pin, M12 female field-attachable connector

Release date: V1-W-2M-PUR

www.pepperl-fuchs.com

Dimensions





Technical Data

General specifications

Switching element function		PNP Dual NO
Rated operating distance	s _n	3 mm
Installation		flush mountable
Output polarity		DC
Assured operating distance	sa	0 2.3 mm
Reduction factor r _{Al}		0.5
Reduction factor r ₃₀₄		1
Reduction factor r _{St37}		1.1

Nominal ratings

Operating voltage	U_{B}	10 30 V DC
Switching frequency	f	0 500 Hz
Hysteresis	Н	typ. 5 %
Reverse polarity protected		all connections
Short-circuit protection		pulsing
Voltage drop	U _d	≤3 V
Operating current	T _L	0 200 mA
Off-state current	l _r	0 0.5 mA typ. 0.1 μA at 25 °C

No-load supply current
Operating voltage display
Indication of the switching state ≤ 25 mA I₀ LED, green LED, yellow

Functional safety related parameters

870 a 20 a Mission Time (T_M) Diagnostic Coverage (DC)

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

Mechanical specifications

Connection type Device connector M12 x 1, 4-pin PBT Housing material Sensing face PBT Protection degree M5 x 25 : 2.7 Nm Tightening torque, fastening screws Note Installation in housing

Compliance with standards and directives

Standard conformity

FN 60947-5-2:2007 Standards IEC 60947-5-2:2007

Approvals and certificates

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

CCC approval Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.