



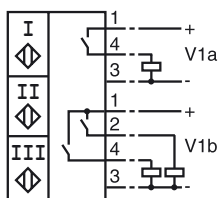
Model Number

NBN3-FXS7-3E2-2V1-Y102925

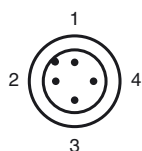
Features

- Basic series
- 3 mm not embeddable
- Interrogation data set for Euro X Tong

Connection



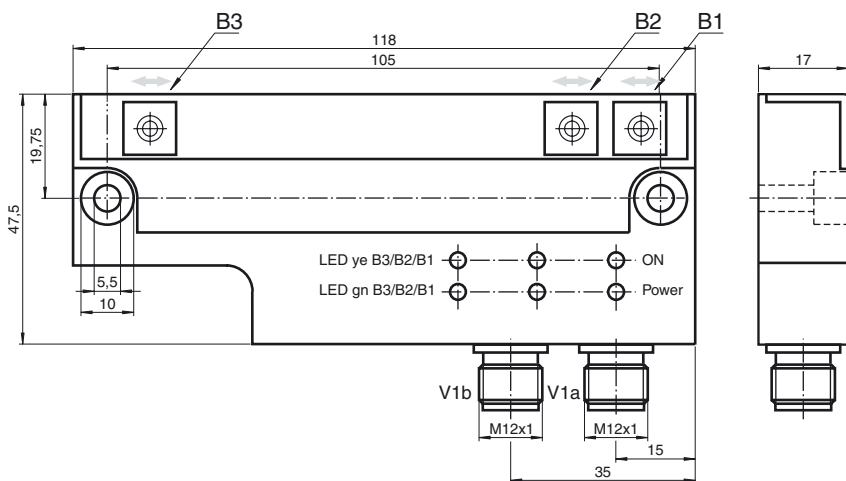
Pinout



Wire colors in accordance with EN 60947-5-2

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

Dimensions



Technical Data

General specifications

Switching element function	PNP	NO
Rated operating distance	s_n	3 mm
Installation	not embeddable	
Output polarity	DC	
Assured operating distance	s_a	0 ... 2.4 mm
Reduction factor r_{AI}	0.4	
Reduction factor r_{Cu}	0.3	
Reduction factor r_{304}	0.7	

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 500 Hz
Reverse polarity protected	reverse polarity protected	
Short-circuit protection	pulsing	
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 100 mA
Off-state current	I_r	0 ... 0.5 mA typ.
No-load supply current	I_0	≤ 10 mA
Operating voltage display	1 green LED green for each sensor	
Indication of the switching state	1 yellow LED for each sensor	

Ambient conditions

Ambient temperature	0 ... 50 °C (32 ... 122 °F)
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Mechanical specifications

Connection type	Device connector M12 x 1 , 4-pin ,
Protection degree	IP65
Note	Available accessories: clear cover SH-FX

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

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