



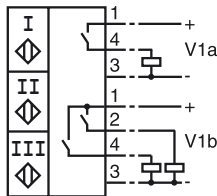
Model Number

NBN3-F1CS7-3E2-2V1

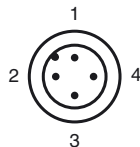
Features

- Interrogation data set for C Tong

Connection



Pinout



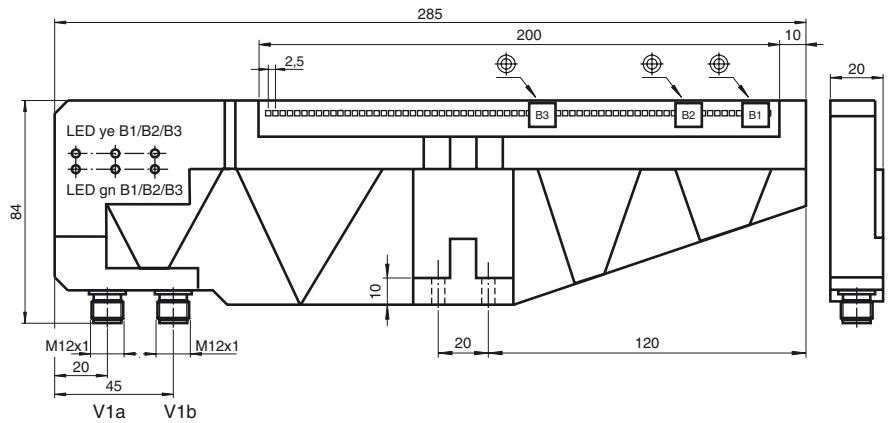
Wire colors in accordance with EN 60947-5-2

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

Accessories

- V1-G-OR2M-POC**
Female cordset, M12, 4-pin, TPE cable, welding-bead resistant
- V1-G-2M-PUR H/S**
Female cordset, M12, 4-pin, irradiated PUR cable
- V1-W-2M-PUR H/S**
Female cordset, M12, 4-pin, irradiated PUR cable

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_{Al}	0.4	
Reduction factor r_{Cu}	0.3	
Reduction factor r_{303}	0.7	

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
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 ,
Housing material	PA 6
	Metal fixing block for M6-screw
Protection degree	IP65
Note	EI. Data for each sensor Available accessory: Clear view cover SH-F1C

Compliance with standards and directives

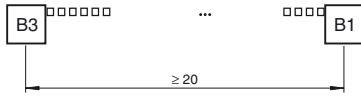
Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	Products with a maximum operating voltage of ≤ 36 V do not bear a CCC marking because they do not require approval.

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Minimum distance between sensor B1 und B3, in order to avoid mutual interference.



Minimum distance between sensor B1 und B3, in order to avoid mutual interference.

