



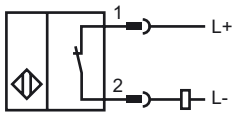
Model Number

NCN8-18GM40-Z1-V1

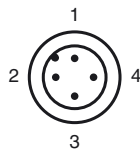
Features

- Comfort series
- 8 mm not embeddable
- 2-wire DC

Connection



Pinout



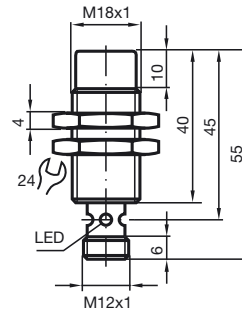
Wire colors in accordance with EN 60947-5-2

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

Accessories

- V1-G**
4-pin, M12 female field-attachable connector
- V1-W-2M-PUR**
Cable socket, M12, 4-pin, PUR cable
- V1-G-2M-PUR**
Cable socket, M12, 4-pin, PUR cable
- BF 18-F**
Mounting flange with dead stop, 18 mm
- V1-W**
4-pin, M12 female field-attachable connector

Dimensions



Technical Data

General specifications

Switching element function		DC	NC
Rated operating distance	s_n	8 mm	
Installation		not embeddable	
Output polarity		DC	
Assured operating distance	s_a	0 ... 6.5 mm	
Reduction factor r_{Al}		0.44	
Reduction factor r_{Cu}		0.4	
Reduction factor r_{303}		0.7	

Nominal ratings

Operating voltage	U_B	5 ... 60 V
Switching frequency	f	0 ... 300 Hz
Hysteresis	H	1 ... 10 typ. 5 %
Reverse polarity protected		tolerant
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 5 V
Operating current	I_L	2 ... 100 mA
Lowest operating current	I_m	2 mA
Off-state current	I_r	0 ... 0.5 mA typ.
Indication of the switching state		Multihole-LED, yellow

Ambient conditions

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

Mechanical specifications

Connection type	Device connector M12 x 1, 4-pin
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	PBT
Protection degree	IP67

Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007 Non-standard connector assignment

Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	Certified by China Compulsory Certification (CCC)

Release date: 2011-07-14 07:41 Date of issue: 2011-07-14 089265_eng.xml