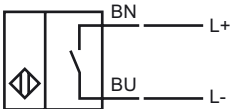
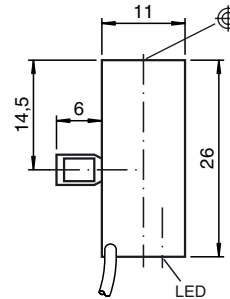
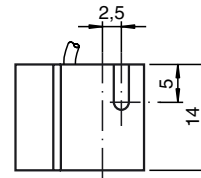


**Model Number**

NCN2-F56-N1-Y107584

Connection**Dimensions****Technical Data****General specifications**

Switching element function	DC	NO
Rated operating distance	s_n	2 mm
Installation		not embeddable
Assured operating distance	s_a	0 ... 1.62 mm
Reduction factor r_{AI}		0.5
Reduction factor r_{Cu}		0.45
Reduction factor r_{V2A}		0.8

Nominal ratings

Operating voltage	U_B	6 ... 30 V
Switching frequency	f	0 ... 300 Hz
Hysteresis	H	1 ... 10 typ. 3 %
Reverse polarity protected		reverse polarity protected
Operating current	I_L	2 ... 100 mA
Off-state current	I_r	0.6 mA
Indication of the switching state		LED, yellow

Ambient conditions

Ambient temperature	-25 ... 85 °C (-13 ... 185 °F)
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Mechanical specifications

Connection type	cable PVC , 0.17 m
Core cross-section	2 x 0.14 mm ²
Housing material	PA 6 GF35 Grivory GVN-35H sw
Sensing face	PA 6 GF35 Grivory GVN-35H sw
Protection degree	IP67

Compliance with standards and directives

Standard conformity	
NAMUR	EN 60947-5-6:2000 IEC 60947-5-6:1999
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

ATEX

Data for Ex areas

Effective internal inductivity	C_i	$\leq 100 \text{ nF}$
Effective internal inductance	L_i	$\leq 100 \text{ }\mu\text{H}$

Release date: 2010-11-04 09:57 Date of issue: 2010-11-04 107584_ENG.xml