



Model Number

CCN15-30GS60-E2-V1

Features

- 15 mm non-flush
- Operating distance adjustable via potentiometer
- High EMC resistance
- Stainless steel version
- Operating voltage range 10 V ... 60 V DC

Accessories

BF 30

Mounting flange, 30 mm

V1-G

Female connector, M12, 4-pin, field attachable

V1-W

Female connector, M12, 4-pin, field attachable

V1-G-2M-PUR

Female cordset, M12, 4-pin, PUR cable

V1-W-2M-PUR

Female cordset, M12, 4-pin, PUR cable

Technical Data

General specifications

Switching function	Normally open (NO)
Output type	PNP
Rated operating distance	s_n 15 mm
Installation	non-flush
Output polarity	DC
Assured operating distance	s_a 0 ... 12.1 mm
Output type	3-wire

Nominal ratings

Installation conditions	
A	18 mm
B	10 mm
C	30 mm
F	60 mm
Operating voltage	U_B 10 ... 60 V DC
Switching frequency	f 0 ... 10 Hz
Reverse polarity protection	reverse polarity protected
Short-circuit protection	pulsing
Voltage drop	U_d ≤ 2.8 V
Operating current	I_L 0 ... 200 mA
Off-state current	I_r 0 ... 0.5 mA typ. 0.1 μ A at 25 °C
Off-state current $T_U = 40$ °C, switching element off	≤ 100 μ A
No-load supply current	I_0 ≤ 20 mA
Time delay before availability	t_v ≤ 50 ms
Switching state indicator	LED, yellow

Functional safety related parameters

MTTF _d	759 a
Mission Time (T_M)	20 a
Diagnostic Coverage (DC)	0 %

Indicators/operating means

Potentiometer	sensitivity adjustment
---------------	------------------------

Ambient conditions

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

Mechanical specifications

Connection type	Connector plug M12 x 1, 4-pin
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	PBT
Degree of protection	IP67

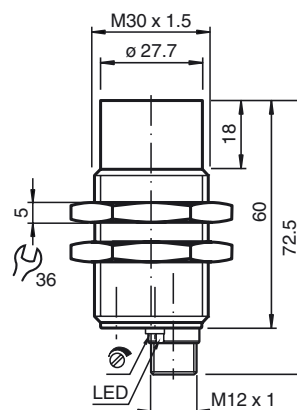
Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012

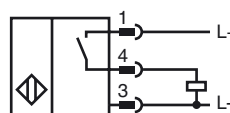
Approvals and certificates

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

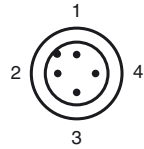
Dimensions



Electrical Connection



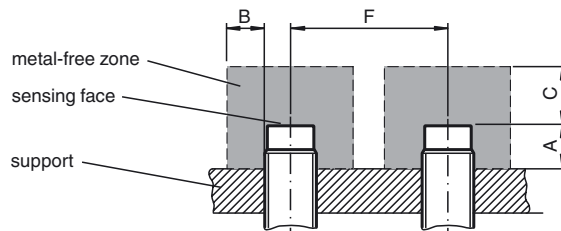
Pinout



Wire colors in accordance with EN 60947-5-2

1		BN	(brown)
3		BU	(blue)
4		BK	(black)

Installation Conditions



Release date: 2018-10-09 11:03 Date of issue: 2018-10-09 189963_eng.xml