

Accessories

BF 12 Mounting flange, 12 mm EXG-12 Quick mounting bracket with dead stop 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

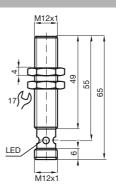
Technical Data		
General specifications		
Switching function		No
Output type		PN
Rated operating distance	Sn	4 r
Installation		flu
Output polarity		DC
Assured operating distance	sa	0.
		0.
Reduction factor r _{Al}		0.3
Reduction factor r _{Cu}		0.3
Reduction factor r ₃₀₄		0.7
Reduction factor r _{Brass}		0.4
Output type		3-\
Nominal ratings		
Operating voltage	UB	10
Switching frequency	f	0.
Hysteresis	н	typ
Reverse polarity protection		rev
Short-circuit protection		pu
Voltage drop	Ud	≤ 3
Operating current	ΙL	0.
Off-state current	l _r	0.
No-load supply current	I ₀	≤1
Time delay before availability	t _v	≤ 5
Switching state indicator		Mu
Functional safety related parame	ters	
MTTFd		18
Mission Time (T _M)		20
Diagnostic Coverage (DC)		0 %
Ambient conditions		
Ambient temperature		-40
Mechanical specifications		
Connection type		Co
Housing material		bra
Sensing face		PE
Degree of protection		IPe
General information		
Scope of delivery		2 s
Compliance with standards and		
directives		
Standard conformity		
Standards		EN
		EN
		IEC
		IEC
Approvals and certificates		_
EAC conformity		TF

UL approval CSA approval CCC approval

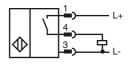
NBB4-12GM50-E2-V1

	Normally open (NO)
	PNP
s _n	4 mm
	flush
	DC
sa	0 3.24 mm (-25 70 °C (-13 158 °F)) 0 3.04 mm (-4025 °C (-4013 °F))
	0.39
	0.35
	0.75
	0.49
	3-wire
UB	10 30 V
f	0 800 Hz
Н	typ. 5%
	reverse polarity protected
	pulsing
Ud	≤3 V
h	0 200 mA
۲,	0 0.5 mA typ. 0.1 μA at 25 °C
l0	≤ 15 mA
t _v	≤5 ms
v	Multihole-LED, yellow
ers	
	1820 a
	20 a
	0%
	0 /0
	-40 70 °C (-40 158 °F)
	Connector M12 x 1 , 4-pin
	brass, nickel-plated
	PBT
	IP67
	2 self locking nuts in scope of delivery
	EN 60947-5-2:2007
	EN 60947-5-2/A1:2012
	IEC 60947-5-2:2007
	IEC 60947-5-2 AMD 1:2012
	120 00347-3-2 AMD 1.2012
	TR CU 020/2011
	TR CU 020/2011 cULus Listed, General Purpose
	TR CU 020/2011

Dimensions



Electrical Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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