1 - -----

	I					
	Technical Data					
	General specifications					
-	Switching element function		NPN NC			
	Rated operating distance	Sn	4 mm			
	Installation		non-flush			
Cut and a second se	Output polarity		DC			
9	Assured operating distance	sa	0 3.24 mm			
	Reduction factor r _{Al}		0.5			
	Reduction factor r _{Cu}		0.4			
	Reduction factor r ₃₀₄		0.8			
	Hysteresis	Н	typ. 5%			
	Nominal ratings					
	Operating voltage	UB	10 30 V			
	Switching frequency	f	0 1200 Hz			
	Reverse polarity protection		reverse polarity pr	rotected		
	Short-circuit protection		pulsing			
	Voltage drop	U _d	≤ 3 V			
	Repeat accuracy	R	≤ 0.01 mm			
\frown	Operating current	ΙL	0 200 mA			
(111)	No-load supply current	I ₀	≤ 17 mA			
CLYLJUS	Time delay before availability	t _v	≤ 8 ms			
	Switching state indicator		Multihole-LED, ye	ellow		
	Functional safety related parameters					
	MTTF _d		1600 a			
	Mission Time (T _M)		20 a			
	Diagnostic Coverage (DC)		0 %			
	Ambient conditions					
	Ambient temperature		-25 70 °C (-13 .	158 °F)		
	Mechanical specifications					
	Connection type		Connector M12 x	: 1 , 4-pin		
	Housing material		brass, nickel-plate	ed		

PBT

IP67

2 self locking nuts in scope of delivery

EN 60947-5-2:2007

IEC 60947-5-2:2007

cULus Listed, General Purpose

cCSAus Listed, General Purpose

CCC approval / marking not required for products rated \leq 36 V

NBN4-12GM50-E1-V1

Features

CE

• 4 mm non-flush

Model Number NBN4-12GM50-E1-V1

Accessories

BF 12 Mounting flange, 12 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

Electrical Connection

Sensing face

Degree of protection

Standard conformity

Approvals and certificates

Compliance with standards and directives

General information

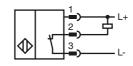
Scope of delivery

Standards

UL approval

CSA approval CCC approval

Dimensions



Refer to "General Note	s Relating to P	epperl+Fuchs	Product I	nformation"

Pepperl+Fuchs Group www.pepperl-fuchs.com fa

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Pinout



Wire colors in accordance with EN 60947-5-2

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

