

Model Number

NBB15-U1-A0

Features

- Sensor head bidirectional and rotatable
- 15 mm flush
- 4 LEDs indicator for 360° visibility

Accessories

MHW 01 Modular mounting bracket V1-M20-80 Receptacles, M12/M20; plastic version V1-G Female connector, M12, 4-pin, field attachable V1-W Female connector, M12, 4-pin, field attachable

Technical Data		
General specifications		
Switching element function		N
Rated operating distance	s _n	1
Installation		fl
Output polarity		D
Assured operating distance	sa	0
Reduction factor r _{Al}		0
Reduction factor r _{Cu}		0
Reduction factor r ₃₀₄		0
Reduction factor r _{Brass}		0
Nominal ratings		
Operating voltage	UB	1
Switching frequency	f	0
Hysteresis	н	ty
Reverse polarity protection		re
Short-circuit protection		р
Voltage drop	Ud	<
Operating current	IL.	0
Off-state current	l _r	0
No-load supply current	I _O	<
Time delay before availability	t _v	8 L
Operating voltage indicator Switching state indicator		Ľ
Functional safety related parameter		
	:15	
MTTF _d		1
Mission Time (T _M) Diagnostic Coverage (DC)		2
Ambient conditions		0
Ambient temperature Mechanical specifications		-2
•		
Connection type		S
Core cross-section		≤ P
Housing material		P
Sensing face Housing base		
Degree of protection		p IF
Mass		2
Note		T
		Ť
Compliance with standards and di	rective	

NPN NO/NC 15 mm lush DC 0 ... 12.15 mm 0.33 0.3 0.74 0.41 10 ... 30 V 0 ... 200 Hz yp. 5 % reverse polarity protected pulsing ≤ 2 V 0 ... 200 mA 0 ... 0.5 mA ≤ 20 mA 80 ms LED, green LED, yellow 1230 a 20 a 0 % -25 ... 85 °C (-13 ... 185 °F) screw terminals ≤ 2.5 mm² PA/metal with epoxy powder coating PA plastic IP68 / IP69K 225 g Fightening torque: 1.8 Nm (housing) Fightening torque: 1.0 Nm (Screw terminal)

Compliance with standards and directives

Standard conformity

UL approval

CSA approval

CCC approval

Standards

Approvals and certificates

cULus Listed, General Purpose cCSAus Listed, General Purpose CCC approval / marking not required for products rated ≤36 V

EN 60947-5-2:2007 IEC 60947-5-2:2007

Electrical Connection

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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

USA: +1 330 486 0001 fa-info@us.pepperl-fuchs.com Germany: +49 621 776 4411 fa-info@de.pepperl-fuchs.com Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com

