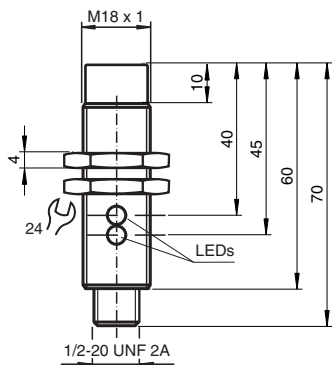


Inductive sensor
NBN15-18GM60-US-V12

- 15 mm non-flush
- 2-wire AC/DC



Dimensions



Technical Data

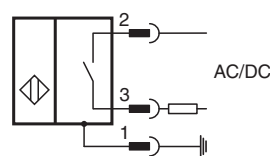
General specifications		
Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	S _n	15 mm
Installation		non-flush
Output polarity		AC/DC
Reduction factor r _{AI}		0.45
Reduction factor r _{Cu}		0.4
Reduction factor r ₃₀₄		0.7
Output type		3-wire
Nominal ratings		
Operating voltage	U _B	20 ... 250 V AC/20 ... 300 V DC
Switching frequency	f	30 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		yes
Voltage drop	U _d	≤ 8 V
Operating current	I _L	4 ... 300 mA AC/DC
Off-state current	I _r	≤ 0.8 mA

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

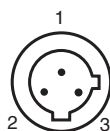
Technical Data

Operating voltage indicator	LED, green
Switching state indicator	LED, yellow
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
CSA approval	cCSAus Listed, General Purpose
CCC approval	Certified by China Compulsory Certification (CCC)
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications	
Connection type	Connector 1/2"-20 UN , 3-pin
Housing material	brass, nickel-plated
Sensing face	PBT
Degree of protection	IP67

Connection



Connection Assignment



Wire colors	
1	GN (green)
2	RD/BK (red/black)
3	RD/WH (red/white)

Accessories

	BF 18	Mounting flange, 18 mm
---	--------------	------------------------

Accessories

	V12-G-YE2M-PVC	Connecting cable, 1/2" - 20 UNF, 3-pin, PVC cable
---	-----------------------	---

Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 198084_eng.pdf