



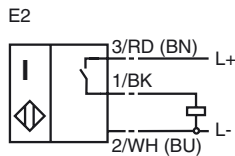
Model Number

NMB5-18GM70-E2-FE-V94

Features

- Stainless steel sensing face
- Sensing range 5 mm
- 3-wire DC
- Ferrous targets

Connection



Pinout



Wire colors

1	BK	(black)
2	WH	(white)
3	RD	(red)
4	GN	(green)

Accessories

AB-18

Mounting aid

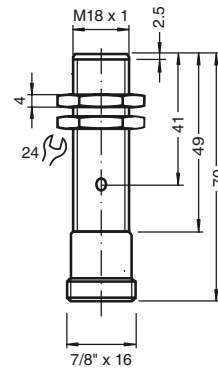
V94-G-YE2M-STOOW

Female connector, 7/8" - 16 UNF, 4-pin, PVC cable

V94-W-YE2M-STOOW

Female connector, 7/8" - 16 UNF, 4-pin, PVC cable

Dimensions



Technical Data

General specifications

Switching element function	PNP	NO
Rated operating distance	s_n	5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 4.05 mm
Actuating element		Ferrous targets
Reduction factor r_{Al}		0
Reduction factor r_{Cu}		0
Reduction factor r_{304}		0.6 ... 0.8
Reduction factor r_{Si37}		1

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	15 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		yes
Short-circuit protection		yes
Voltage drop	U_d	≤ 2 V
Operating current	I_L	≤ 200 mA
Current consumption		< 14 mA
Off-state current	I_r	≤ 10 μ A

Functional safety related parameters

MTTF _d	990 a
Mission Time (T_M)	20 a
Diagnostic Coverage (DC)	0 %

Indicators/operating means

Operating display	4-way dual LED Green: power Yellow: output
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Ambient conditions

Ambient temperature	-40 ... 70 °C (-40 ... 158 °F)
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Mechanical specifications

Connection type	7/8" - 16 UN , 4-pin
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	Stainless steel 1.4305 / AISI 303
Protection degree	IP67 / IP68 / IP69K - cordset dependent according to cable specification

Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	Products with a maximum operating voltage of ≤ 36 V do not bear a CCC marking because they do not require approval.

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