



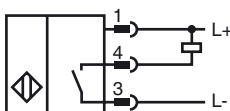
Model Number

NMB5-18GM65-E0-C-FE-V1

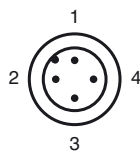
Features

- **Stainless steel sensing face**
- **5 mm flush**
- **Weld Immune**

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

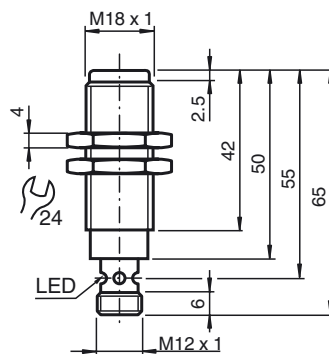
1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Accessories

V1-G-OR2M-POC
Female cordset, M12, 4-pin, TPE cable, welding-bead resistant

AB-18
Mounting aid

Dimensions



Technical Data

General specifications

Switching element function		NPN	NO
Rated operating distance	s_n	5 mm	
Installation		flush in mild steel	
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_{S137}		1	

Nominal ratings

Operating voltage	U_B	10 ... 30 V	
Switching frequency	f	2 Hz	
Hysteresis	H	5 ... 15 typ. 10 %	
Reverse polarity protection		yes	
Short-circuit protection		yes	
Voltage drop	U_d	≤ 2 V	
Operating current	I_L	0 ... 200 mA	
Current consumption		< 14 mA	
Off-state current	I_r	≤ 10 μ A	
Constant magnetic field	B	250 mT	
Alternating magnetic field	B	250 mT	

Indicators/operating means

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

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)		
---------------------	--------------------------------	--	--

Mechanical specifications

Connection type	V1 connector (M12 x 1), 4-pin		
Housing material	Xylan coated - Stainless steel 1.4305 / AISI 303		
Sensing face	Xylan coated - 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.		

Release date: 2012-12-13 14:37 Date of issue: 2012-12-13 908439_eng.xml