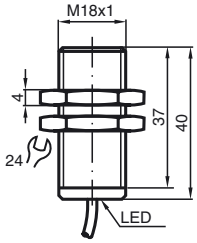
Inductive proximity switches

NCB5-18GM40-Z0

Comfort series
5 mm embeddable

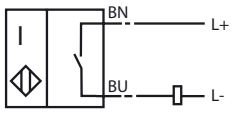


CE

General specifications	
Switching element function	DC Make function
Rated operating distance s_n	5 mm
Installation	embeddable
Assured operating distance s_a	0 ... 4.05 mm
Reduction factor r_{Al}	0.37
Reduction factor r_{Cu}	0.33
Reduction factor r_{V2A}	0.7
Nominal ratings	
Operating voltage U_B	5 ... 60 V
Switching frequency f	0 ... 350 Hz
Hysteresis H	1 ... 10 typ. 5 %
Reverse polarity protection	tolerant
Short-circuit protection	pulsing
Voltage drop U_d	≤ 5 V
Operating current I_L	2 ... 100 mA
Off-state current I_r	0 ... 0.5 mA typ.
Indication of the switching state	all direction LED, yellow
Standard conformity	
Standards	EN 60947-5-2:2004
Ambient conditions	
Ambient temperature	-25 ... 70 °C (248 ... 343 K)
Mechanical specifications	
Connection type	2 m, PUR cable
Cable version	PA
Core cross-section	0.34 mm²
Housing material	Stainless steel
Sensing face	PBT
Protection degree	IP67

Connection type:

Z0



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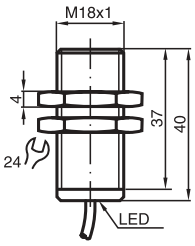
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Inductive proximity switches

NCB5-18GM40-Z1

Comfort series

5 mm embeddable

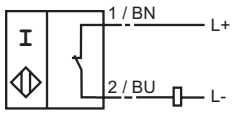


CE

Switching element function	DC Break function
Rated operating distance s_n	5 mm
Installation	embeddable
Assured operating distance s_a	0 ... 4,05 mm
Reduction factor r_{Al}	0,37
Reduction factor r_{Cu}	0,33
Reduction factor r_{V2A}	0,7
Operating voltage U_B	5 ... 60 V
Switching frequency f	0 ... 350 Hz
Hysteresis H	1 ... 10 typ. 5 %
Reverse polarity protection	tolerant
Short circuit protection	pulsing
Voltage drop U_d	Ω5 V
Operating current I_L	2 ... 100 mA
Off-state current I_r	0 ... 0,5 mA typ.
Indication of the switching state	all direction LED, yellow
Standards	EN 60947-5-2
Ambient temperature	-25 ... 70 °C (248 ... 343 K)
Connection type	2 m, PUR cable
Cable version	PA
Core cross-section	0.34 mm²
Housing material	high grade steel
Sensing face	PBT
Protection degree	IP67

Connection_type:

Z1



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2003-07-08

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