

Cylindrical Type

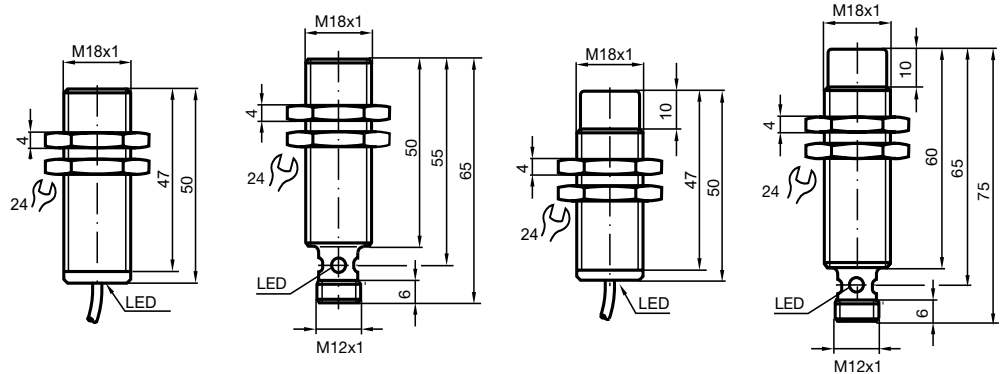
DC

2-wire

Basic series

5 mm embeddable

8 mm not embeddable



CE

Rated operating distance s_n	5 mm	5 mm	8 mm	8 mm
Installation	embeddable	embeddable	not embeddable	not embeddable
DC Make function	NBB5-18GM50-Z0	NBB5-18GM50-Z0-V1	NBN8-18GM50-Z0	NBN8-18GM50-Z0-V1
Assured operating distance s_a	0 ... 4,05 mm	0 ... 4,05 mm	0 ... 6,5 mm	0 ... 6,5 mm
Reduction factor r_{Al}	0,34	0,34	0,43	0,43
Reduction factor r_{Cu}	0,31	0,31	0,42	0,42
Reduction factor r_{V2A}	0,72	0,72	0,73	0,73
Operating voltage U_B	6 ... 60 V	6 ... 60 V	6 ... 60 V	6 ... 60 V
Operating current I_L	4 ... 100 mA	4 ... 100 mA	4 ... 100 mA	4 ... 100 mA
Switching frequency f	1500 Hz	1500 Hz	1000 Hz	1000 Hz
Off-state current I_r	1 mA	1 mA	1 mA	1 mA
Voltage drop U_d	6 V	6 V	6 V	6 V
Short circuit protection	no	no	no	no
Polarity reversal protected	tolerant	tolerant	tolerant	tolerant
Indication of the switching state	all direction LED, yellow	ring LED, yellow	all direction LED, yellow	ring LED, yellow
Standard conformity	EN 60947-5-2	EN 60947-5-2	EN 60947-5-2	EN 60947-5-2
Ambient temperature	-25 ... 70 °C	-25 ... 70 °C	-25 ... 70 °C	-25 ... 70 °C
Protection degree	IP67	IP67	IP67	IP67
Connection type	2 m, PVC-cable	V1-connector	2 m, PVC-cable	V1-connector
Core cross-section	0,34 mm ²	-	0,34 mm ²	-
Housing material	brass, nickel plated	brass, nickel plated	brass, nickel plated	brass, nickel plated
Sensing face	PBT	PBT	PBT	PBT

Connection:

