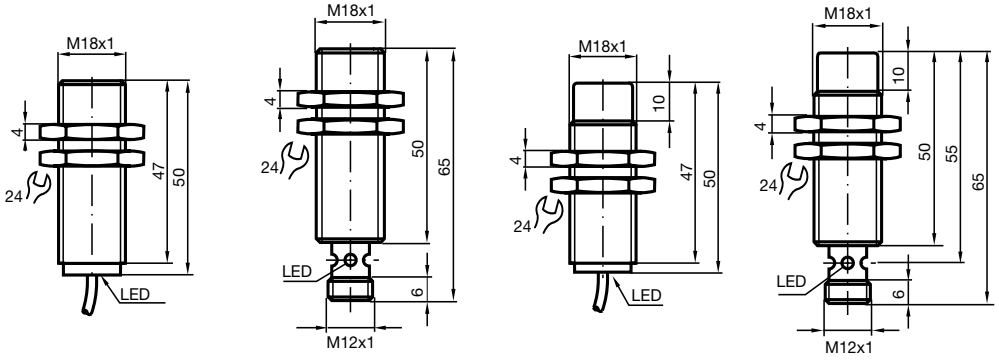
Cylindrical Type DC 3-wire

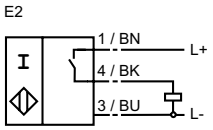
For use in direct- and alternating-field welding systems
5 mm embeddable
8 mm not embeddable



CE

Rated operating distance s_n	**5 mm**	**5 mm**	**8 mm**	**8 mm**
Installation	**embeddable**	**embeddable**	**not embeddable**	**not embeddable**
PNP Make function	**NBB5-18GM50-E2-C**	**NBB5-18GM50-E2-C-V1**	**NBN8-18GM50-E2-C**	**NBN8-18GM50-E2-C-V1**
Assured operating distance s_a	0 ... 4,05 mm	0 ... 4,05 mm	0 ... 6,48 mm	0 ... 6,48 mm
Reduction factor r_{V2A}	0,6	0,6	0,6	0,6
Reduction factor r_{Al}	0,3	0,3	0,3	0,3
Reduction factor r_{Cu}	0,2	0,2	0,2	0,2
Operating voltage U_B	10 ... 30 V	10 ... 30 V	10 ... 30 V	10 ... 30 V
Operating current I_L	0 ... 200 mA	0 ... 200 mA	0 ... 200 mA	0 ... 200 mA
Switching frequency f	800 Hz	800 Hz	500 Hz	500 Hz
No-load supply current I_0	15 mA	15 mA	15 mA	15 mA
Voltage drop U_d	3 V	3 V	3 V	3 V
Alternating magnetic field B	150 mT	150 mT	150 mT	150 mT
Short circuit protection	pulsing	pulsing	pulsing	pulsing
Polarity reversal protected	yes	yes	yes	yes
Indication of the switching state	LED, yellow	ring LED, yellow	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 mm²	-	0,34 mm²	-
Housing material	brass, teflon coated	brass, teflon coated	brass, teflon coated	brass, teflon coated
Sensing face	PPS	PPS	PPS	PPS

Connection:



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Subject to reasonable modifications due to technical advances.
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