

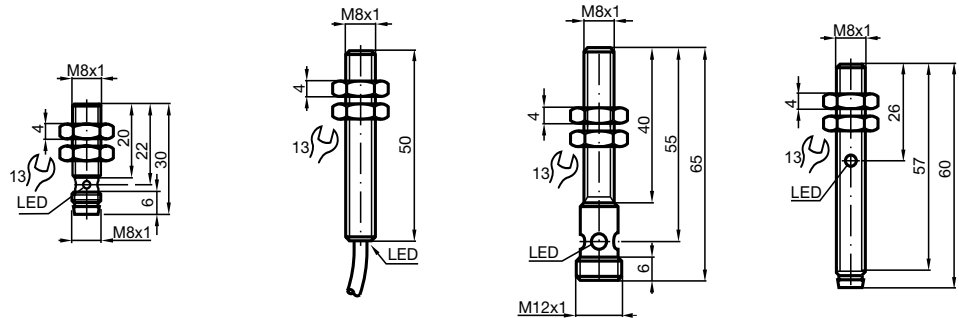
# Cylindrical Type

DC

3-wire

Basic series

1.5 mm embeddable



CE

Rated operating distance $s_n$	1,5 mm	1,5 mm	1,5 mm	1,5 mm
Installation	embeddable	embeddable	embeddable	embeddable
PNP Make function	<b>NBB1,5-8GM20-E2-V3</b>	<b>NBB1,5-8GM50-E2</b>	<b>NBB1,5-8GM40-E2-V1</b>	<b>NBB1,5-8GM50-E2-V3</b>
NPN Make function		<b>NBB1,5-8GM50-E0</b>	<b>NBB1,5-8GM40-E0-V1</b>	<b>NBB1,5-8GM50-E0-V3</b>
Assured operating distance $s_a$	0 ... 1,215 mm	0 ... 1,215 mm	0 ... 1,215 mm	0 ... 1,215 mm
Reduction factor $r_{AI}$	0,45	0,45	0,45	0,45
Reduction factor $r_{Cu}$	0,4	0,35	0,35	0,35
Reduction factor $r_{V2A}$	0,85	0,75	0,75	0,75
Operating voltage $U_B$	10 ... 30 V	10 ... 30 V	10 ... 30 V	10 ... 30 V
Operating current $I_L$	0 ... 200 mA	0 ... 100 mA	0 ... 100 mA	0 ... 100 mA
Switching frequency $f$	2000 Hz	1500 Hz	1500 Hz	1500 Hz
No-load supply current $I_0$	10 mA	15 mA	15 mA	15 mA
Off-state current $I_r$	0,1 mA	0,5 mA	0,5 mA	0,5 mA
Voltage drop $U_d$	2 V	3 V	3 V	3 V
Short circuit protection	pulsing	pulsing	pulsing	pulsing
Polarity reversal protected	yes	yes	yes	yes
Indication of the switching state	LED, yellow	LED, yellow	ring LED, yellow	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	V3-connector	2 m, PVC-cable	V1-connector	V3-connector
Core cross-section	-	0,14 mm <sup>2</sup>	-	-
Housing material	brass, nickel plated	brass	brass, nickel plated	brass, nickel plated
Sensing face	PBT	PBT	PBT	PBT

**Connection:**

