

# Cylindrical Type

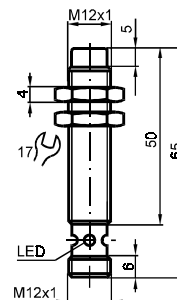
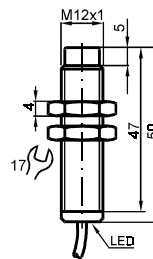
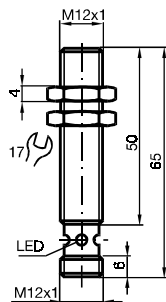
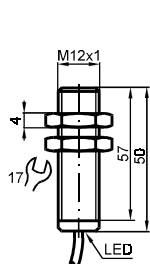
## DC

## 3-wire

### Basic series

2 mm embeddable

4 mm not embed.



Operating dist. s <sub>n</sub> , mounting		2 mm, embeddable	2 mm, embeddable	4 mm, not embedd.	4 mm, not embedd.
PNP	Make function	NBB2-12GM50-E2	NBB2-12GM50-E2-V1	NBN4-12GM50-E2	NBN4-12GM50-E2-V1
	Break function				
NPN	Make function	NBB2-12GM50-E0	NBB2-12GM50-E0-V1	NBN4-12GM50-E0	NBN4-12GM50-E0-V1
	Break function				
Assured operat. dist. s <sub>a</sub> [mm]		0 ...1,62	0 ...1,62	0 ...3,24	0 ...3,24
Reduction factor	r <sub>V2A</sub>	0,7	0,7	0,8	0,8
	r <sub>Al</sub>	0,3	0,3	0,5	0,5
	r <sub>Cu</sub>	0,2	0,2	0,4	0,4
Operating voltage U <sub>B</sub> [V]		10 ...30	10 ...30	10 ...30	10 ...30
Operational current I <sub>L</sub> [mA]		200	200	200	200
Switching frequency [Hz]		1500	1500	1200	1200
No-load supply current [mA]		17	17	17	17
Voltage drop [V]		3	3	3	3
Short circuit protection		pulsing	pulsing	pulsing	pulsing
Reverse polarity protection		yes	yes	yes	yes
Output indicator		LED, yellow	ring LED, yellow	LED, yellow	ring LED, yellow
Operating temperature [°C]		-25 ...70	-25 ...70	-25 ...70	-25 ...70
In compliance with		EN60947-5-2	EN60947-5-2	EN60947-5-2	EN60947-5-2
Protection to DIN 40050		IP 67	IP 67	IP 67	IP 67
Connection		2 m, PVC-cable	V1- connector	2 m, PVC-cable	V1- connector
Conductor cross section		0,14 mm <sup>2</sup>	-	0,14 mm <sup>2</sup>	-
Housing material		Brass	Brass	Brass	Brass
Sensing face		PBT	PBT	PBT	PBT

### Standard symbol / connection:

