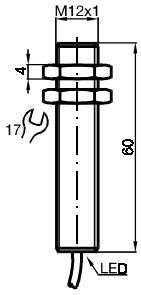
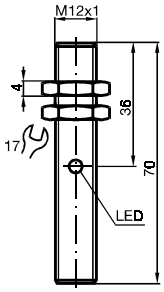
Cylindrical Type DC 4-wire

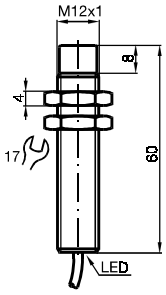
Basic series

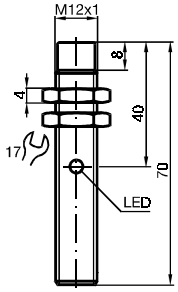
2 mm embeddable

4 mm not embed.



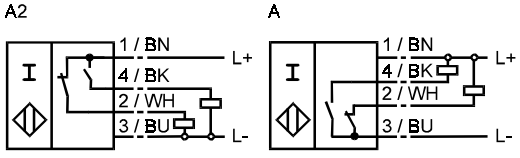






Operating dist. s_n,mounting		2 mm,embeddable	2 mm,embeddable	4 mm,not embedd.	4 mm,not embedd.
PNP Antivalent		NBB2-12GM60-A2	NBB2-12GM60-A2-V1	NBN4-12GM60-A2	NBN4-12GM60-A2-V1
NPN Antivalent		NBB2-12GM60-A0	NBB2-12GM60-A0-V1	NBN4-12GM60-A0	NBN4-12GM60-A0-V1
Assured operat. dist. s_a	[mm]	0 ...1,62	0 ...1,62	0 ...3,24	0 ...3,24
Reduction factor	r_{V2A}	0,66	0,66	0,75	0,75
	r_{Al}	0,25	0,25	0,45	0,45
	r_{Cu}	0,15	0,15	0,4	0,4
Operating voltage U_B	[V]	10 ...30	10 ...30	10 ...30	10 ...30
Operational current I_L	[mA]	200	200	200	200
Switching frequency	[Hz]	1000	1000	1000	1000
No-load supply current	[mA]	20	20	20	20
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	LED, yellow	LED, yellow	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 mm²	-	0,14 mm²	-
Housing material		Brass	Brass	Brass	Brass
Sensing face		PBT	PBT	PBT	PBT

Standard symbol / connection:



Subject to reasonable modifications due to technical advances.
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