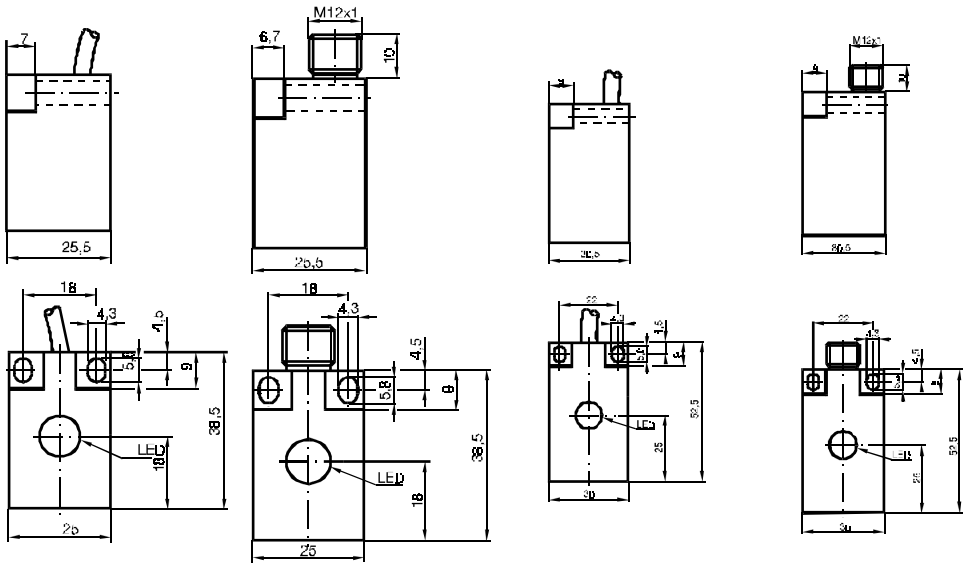
Rectangular Type DC 3-wire

Basic series

10 mm not embed.

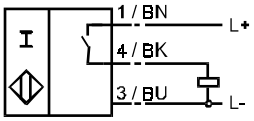
15 mm not embed.



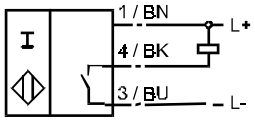
Operating dist. s_n, mounting		10 mm, not embedd.	10 mm, not embedd.	15 mm, not embedd.	15 mm, not embedd.
PNP	Make function	NBN10-F10-E2	NBN10-F10-E2-V1	NBN15-F11-E2	NBN15-F11-E2-V1
	Break function				
NPN	Make function	NBN10-F10-E0	NBN10-F10-E0-V1	NBN15-F11-E0	NBN15-F11-E0-V1
	Break function				
Assured operat. dist. s_a [mm]		0 ... 7,65	0 ... 7,65	0 ... 12,15	0 ... 12,15
Reduction factor	r_{V2A}	0,6	0,6	0,6	0,6
	r_{Al}	0,3	0,3	0,3	0,3
	r_{Cu}	0,2	0,2	0,2	0,2
Operating voltage U_B [V]		10 ... 30	10 ... 30	10 ... 30	10 ... 30
Operational current I_L [mA]		150	150	150	150
Switching frequency [Hz]		500	500	150	150
No-load supply current [mA]		15	15	15	15
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		0,34 mm²	-	0,34 mm²	-
Housing material		PBT	PBT	PBT	PBT
Sensing face		PBT	PBT	PBT	PBT

Standard symbol / connection

E2



E / E0



Inductive sensors

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