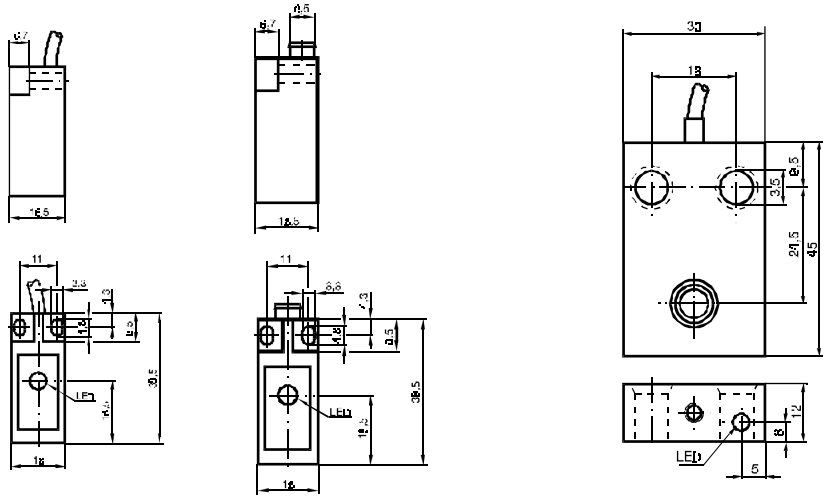
Rectangular Type DC 3-/4-wire

Basic series

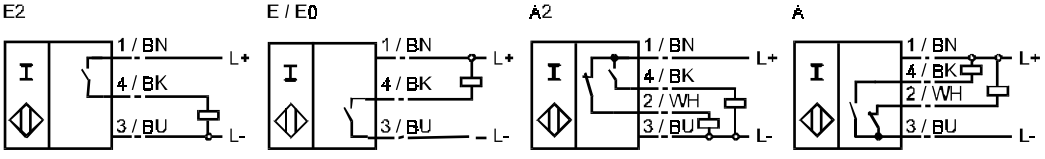
5 mm embeddable

6 mm embeddable



Operating dist. s_n, mounting		5 mm, embeddable	5 mm, embeddable	6 mm, embeddable	6 mm, embeddable
PNP	Make function	NBB5-F9-E2	NBB5-F9-E2-V3	NJ6-F-E2	
	Break function				
NPN	Make function	NBB5-F9-E0	NBB5-F9-E0-V3	NJ6-F-E	
	Break function				
PNP	Antivalent				NJ6-F-A2
NPN	Antivalent				NJ6-F-A
Assured operat. dist. s_a [mm]		0 ... 3,825	0 ... 3,825	0 ... 4,8	0 ... 4,8
Reduction factor	r_{V2A}	0,6	0,6	0,7	0,7
	r_{Al}	0,3	0,3	0,22	0,22
	r_{Cu}	0,2	0,2	0,2	0,2
Operating voltage U_B [V]		10 ... 30	10 ... 30	10 ... 60	10 ... 60
Operational current I_L [mA]		150	150	200	200
Switching frequency [Hz]		500	500	500	500
No-load supply current [mA]		15	15	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	V3- connector	2 m, PUR- cable	2 m, PUR- cable
Conductor cross section		0,14 mm²	-	0,34 mm²	0,34 mm²
Housing material		PBT	PBT	PBT	PBT
Sensing face		PBT	PBT	PBT	PBT

Standard symbol / connection



Inductive sensors

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