Cylindrical Type AC;DC 2-/3-wire

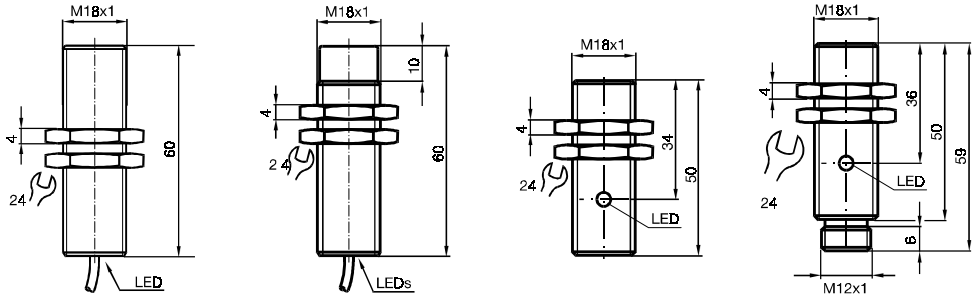
Basic series

5 mm embeddable

8 mm not embed.

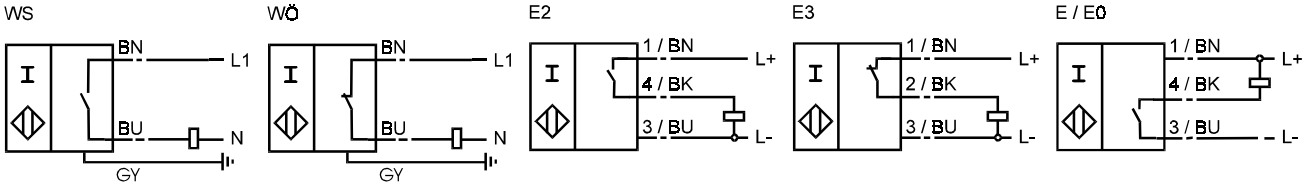
Standard series

12 mm quasi embed.



Operating dist. s_n, mounting		5 mm, embeddable	8 mm, not embedd.	12 mm, quasi embedd.	12 mm, quasi embedd.
PNP	Make function			NEB12-18GM50-E2	NEB12-18GM50-E2-V1
	Break function				NEB12-18GM50-E3-V1
NPN	Make function				NEB12-18GM50-E-V1
	Break function				
AC	Make function	NBB5-18GM60-WS	NBN8-18GM60-WS		
	Break function	NBB5-18GM60-WÖ	NBN8-18GM60-WÖ		
Assured operat. dist. s_a [mm]		0 ...4,05	0 ...6,5	0 ...9,72	0 ...9,72
Reduction factor	r_{V2A}	0,62	0,72	0,63	0,63
	r_{Al}	0,2	0,42	0,26	0,26
	r_{Cu}	0,15	0,4	0,2	0,2
Operating voltage U_B [V]		20 ...253	20 ...253	10 ...30	10 ...30
Operational current I_L [mA]		200	200	200	200
Switching frequency [Hz]		20	20	500	500
No-load supply current [mA]		-	-	10	10
Off-state current I_R [mA]		1,7	1,7	0,1	0,1
Short time c. $_{20ms,0,1Hz}$ [mA]		1600	1600	-	-
Voltage drop [V]		8	8	2	2
Short circuit protection		-	-	no	no
Reverse polarity protection		-	-	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	2 m, PVC-cable	2 m, PVC-cable	V1- connector
Conductor cross section		0,34 mm²	0,34 mm²	0,5 mm²	-
Housing material		Nickel plated brass	Nickel plated brass	brass, chromium plated	brass, chromium plated
Sensing face		PBT	PBT	PBT	PBT

Standard symbol / connection:



Inductive sensors

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