

<b>Accessories 1</b>	Accessories 2		Accessories 3		Accessories 4		Accessories 5		Accessories 6	
Proximity Switch	Connection cable	Central distributor	Mounting blocks							

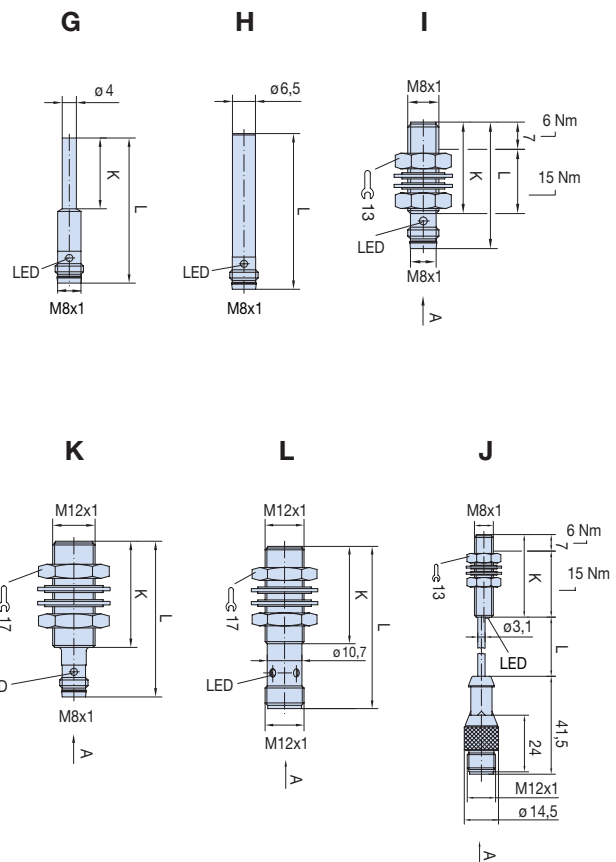


# Inductive proximity switch (quick connect)

Sommer-automatic
Grippers
Separators
Swivel units
Rotating jaws
Axial compensators
Tool changers
Linear cylinders
Shock absorbers
Rotary cylinders
Air vane motors
Vacuum components
Accessories
Quick finder



G	H	I	J	I	I	K	L	L	L
Order no.:									
NJ4-E2S	NJ6,5-E2S	NJ8-E2S	NJ8-E2S/01	NJ8-E2S/04	NJ8-E2S/05	NJ12-E2S	NJ12-E2S/01	NJ12-E2S/02	NJ12-E2S/03
Size [mm]:									
Ø 4	Ø 6,5	M8x1	M8x1	M8x1	M8x1	M12x1	M12x1	M12x1	M12x1
Dimension L [mm]:									
41	44	44	50	30	30	33	50	70	50
Dimension K [mm]:									
20	-	30	30	-	-	24	30	40,5	30
Form of installation:									
flush	flush	flush	flush	flush	flush	flush	flush	flush	flush
Dimensioning switching distance S <sub>n</sub> [mm]:									
0,8	1,5	2	1,5	1,5	1,5	2	4	2	2
Secured switching distance S <sub>n</sub> [mm]:									
0...0,65	0...1,2	0...1,6	0...1,2	0...1,2	0...1,2	0...1,6	0...3,2	1,6	0...1,6
Dimensioning operating voltage [V DC]:									
24	24	24	24	24	24	24	24	24	24
Dimensioning insulation voltage [V DC]:									
75	75	75	75	75	75	75	75	250	250
No load operating current [mA]:									
100	200	200	200	200	200	130	130	200	200
Transient current / dampened / undampened [mA]:									
<12/<5	<25/<12	<25/<12	<25/<12	<20/<12	<8/<1	<25/<12	<25/<12	<8/<1	<10/<4
Residual current [µA]:									
< 80	< 80	< 80	< 80	< 80	< 10	<80	< 80	< 10	< 10
Safe against incorrect poling:									
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Overload-proof :									
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Repetition precision [%]:									
< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Ambient temperature min./max. [°]:									
-25/+70	-25/+70	-25/+70	-25/+70	-25/+70	-40/+85	-25/+70	-25/+70	-40/+85	-25/+70
Switching frequency [Hz]:									
<1000	<1500	1000	1500	1500	3000	1000	600	3000	5000
LED Function display:									
yes	yes	yes	yes	no	yes	yes	yes	yes	yes
Protection class to IEC 529:									
IP 67	IP 67	IP 67	IP 67	IP 65	IP 67	IP 67	IP 67	IP 68	IP 68
Housing material (non-rusting or nickel-plated):									
Steel	Steel	Steel	Steel	Steel	Steel	Messing	Messing	Steel	Messing
Kind of connection:									
Plug	Plug	Plug	Plug.	Plug	Plug	Plug	Plug	Plug	Plug
Number of conductors x cross-section of conductors [mm <sup>2</sup> ]:									
-	-	-	3 x 0,14	-	-	-	-	-	-
Approval:									
-	-	UL	UL	UL	UL	UL	UL	UL	-



All switches are PNP, sourcing