

Accessories 1	Accessories 2	Accessories 3	Accessories 4	Accessories 5	Accessories 6
Proximity Switch	Connection cable	Central distributor	Mounting blocks		



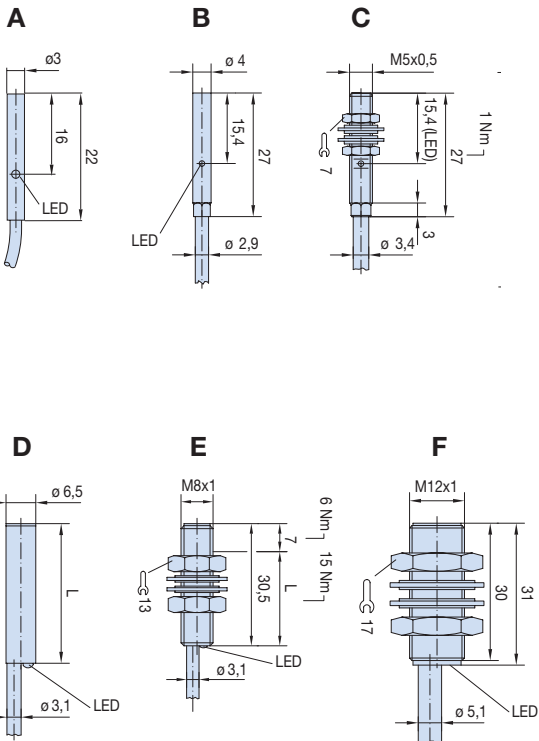
Sommer-automatic
Grippers
Separators
Swivel units
Rotating jaws
Axial compensators
Tool changers
Linear cylinders
Shock absorbers
Rotary cylinders
Air vane motors
Vacuum components
Accessories
Quick finder



Inductive proximity switch (wired)

2 meter cable

A	B	C	D	D	D	D	E	E	F
Order no.:									
NJ3-E2	NJ4-E2	NJ5-E2	NJ6,5-E2	NJ6,5-E2/01	NJ6,5-E2/02	NJ6,5-E2/03	NJ8-E2	NJ8-E2/01	NJ12-E2
Size [mm]:									
Ø 3	Ø 4	M5x0,5	Ø 6,5	Ø 6,5	Ø 6,5	Ø 6,5	M8x1	M8x1	M12x1
Dimension L [mm]:									
22	27	27	45	30,5	22,5	16	45	30,5	33
Dimension K [mm]:									
-	-	-	-	-	-	-	-	-	-
Form of installation:									
flush	flush	flush	flush	flush	flush	flush	flush	flush	flush
Dimensioning switching distance S_n [mm]:									
1,0	0,8	0,8	1,5	1,5	1,5	1,5	1,5	2	2
Secured switching distance S_n [mm]:									
0...0,8	0...0,65	0...0,65	0...1,2	0...1,2	0...1,2	0...1,2	0...1,2	0...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	250	75	75	500	250	75	75
No load operating current [mA]:									
100	150	150	200	200	200	200	200	200	130
Transient current / dampened / undampened [mA]:									
<10/<2	<10/<1,5	<10/<1,5	<8/<1	<25/<12	<25/<12	-	<8/<1	<25/<12	<25/<12
Residual current [µA]:									
< 50	< 50	< 50	< 10	< 80	< 80	-	< 10	< 80	< 80
Safe against incorrect poling:									
yes	yes	yes	yes	yes	yes	-	yes	yes	yes
Overload-proof:									
-	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	-25/+70	-25/+70	-40/+85	-25/+70	-25/+70
Switching frequency [Hz]:									
< 5000	< 1000	< 1000	< 3000	< 1500	< 1500	3000	3000	1000	1000
Function display:									
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Protection class to IEC 529:									
IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 67	IP 68
Housing material (non-rusting or nickel-plated):									
Steel	Steel	Steel	Steel	Steel	Messing	Steel	Steel	Steel	Messing
Kind of connection:									
Wire	Wire	Wire	Wire	Wire	Wire	Wire	Wire	Wire	Wire
Number of conductors x cross-section of conductors [mm²]:									
3 x 0,09	3 x 0,14	3 x 0,14	3 x 0,14	3 x 0,14	3 x 0,14	3 x 0,14	3 x 0,14	3 x 0,14	3 x 0,34
Admitted for:									
-	-	-	UL	UL	-	-	UL	UL	UL



All switches are PNP, sourcing