

SERIE

CE

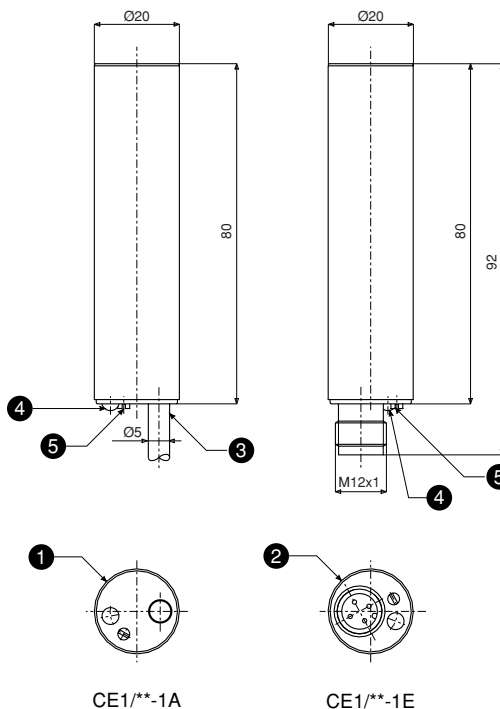


Capacitive proximity sensors Ø20mm - DC

- ◆ Models with or without self-monitoring
- ◆ Sensitivity adjustment with 20 turns trimmer
- ◆ NO-NC complementary outputs
- ◆ Metal housing in stainless steel
- ◆ Axial cable exit and M12 plastic plug cable exit
- ◆ LED status indicator
- ◆ IP65 protection degree
- ◆ Complete protection against electrical damages



DIMENSIONAL DRAWING



Key

- 1 Axial cable exit
- 2 M12 plug cable exit
- 3 Cable 3x0,34mm², Ø5mm, PVC, 3m
- 4 LED status indicator (NO output energized)
- 5 Trimmer for sensitivity adjustment (20 turns)

Connectors **CD** serie

ORDERING SYSTEM

C E 1 / 0 N - 1 A			
serie	C	E	1
capacitive proximity sensor	CE		
model			1
standard			2
with self-monitoring			0
output state			N
NO/NC complementary outputs			P
			A
			E
			1
			N
			P

cable exit

axial cable exit

M12 plug cable exit

sensing range

standard shielded 10mm

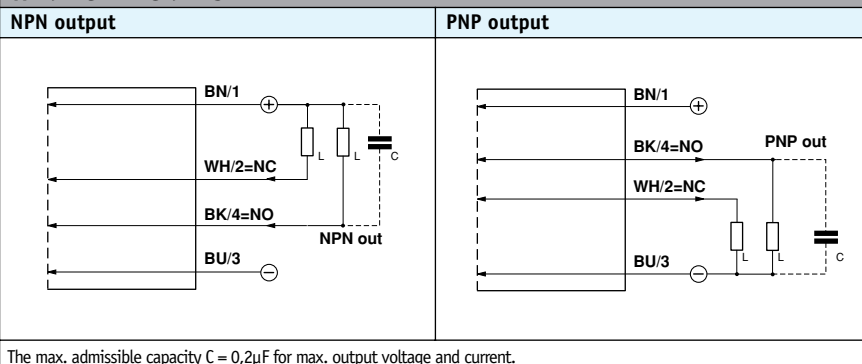
logic

NPN output

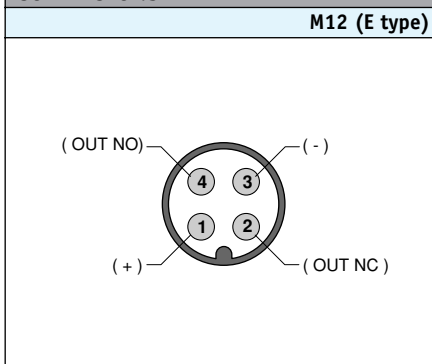
PNP output

SPECIFICATIONS		
Model	CE1/0*-1*	CE2/0*-1*
Nominal sensing distance S_n ⁽¹⁾	1,5...10mm	
Operating distance	1,5...7,2mm (shielded)	
Differential travel	2...15%	
Repeat accuracy	5%	
Operating voltage	10-30Vdc	
Ripple	≤ 15%	
No-load supply current	17mA	
Load current	≤100mA	
Leakage current	≤1μA	
Voltage drop	1,5V max. $I_L=100mA$	
Output type	NPN or PNP NO / NC complementary with open collector	
Switching frequency	300Hz	
Self-monitoring pulse frequency	-	period 4-8ms (6,2ms nominal), duration 150-300μs (220μs nominal)
Supply electrical protection	polarity reversal, transient	
Output electrical protections	short circuit (autoreset)	
Temperature range	-25°...+70°C	
Temperature drift	20% Sr	
Protection degree (DIN 40 050)	IEC IP65	
LED indicators	Yellow (NO output energized)	
Housing material	stainless steel	
Sensing face material	LCP	
Weight (approx.)	160g	50g

WIRING DIAGRAMS



CONNECTORS



CHARACTERISTIC CURVES

