

Capacitive sensor | PNP | 10-30Vdc | type CP10-A23-A-K-PTFE



The capacitive sensor is made with a MOCA (Materials and Objects in Contact with Food) certified Teflon PTFE case and has the food suitability requirements according to the regulation:

EC 1935/2004
EC 10/2011
EC 2023/2006 (GMP)
FDA CFR 21 177.1550

- Microprocessor-controlled output management
- Customized label available (minimum 20 units)
- Multi-turn trimmer for precise sensitivity adjustment
- Output customization is available upon request

Technical data

Operating distance S_n (mm), flush mounting	8, no
Operating distance min./max. (mm) adjustable	0,5...10
Electrical version	4-wires DC
Output function	antivalent
Type PNP	SM-CP002 CP10-A23-A-K-PTFE
Connection diagramme pin/wires	1 = brown 2 = white 3 = blue 4 = black
Operating voltage (U_b)	10...30 V DC
Output current max (I_e)	2 x 200 mA
No load current (I_o)	≤ 2.0 V
Voltage drop max. (U_d)	5%
Permitted residual ripple max.	< 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70°C
Led display	yellow
Protective circuit	built-in
Degree of protection IEC 60529	IP67 (with closing cap screwed into the trimmer hole)
Norms	EN 60947-5-2
Connection	2m cable, 4x0.25mm ² in PVC
Housing material	EC 1935/2004 - EC 10/2011 - EC 2023/2006 (GMP) FDA CFR 21 177.1550
Active surface material	EC 1935/2004 - EC 10/2011 - EC 2023/2006 (GMP) FDA CFR 21 177.1550
Lid material	PA/PPO
Traceability pursuant to EC Regulation No. 1935/2004	yes

