

Capacitive sensor | NPN | 10-30Vdc | type CP20-D34-A-K-PET-L160

The capacitive sensor is made with a MOCA (Food Contact Materials and Objects) certified PET case and meets food safety requirements according to the following regulations:
EC 1935/2004 / EC 10/2011 / EC 2023/2006 (GMP)
FDA CFR 21 177.1630

- Dimension diameter 34 mm
- Flush mounting
- Housing PET
- 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	15, yes
Operating distance min./max. (mm) adjustable	0,5...25
Electrical version	4-wires DC
Output function	antivalent
Type NPN	SM-CP015 CP20-D34-A-K-PET-L160
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)	< 15mA
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	5%
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
Norms	EN 60947-5-2
Connection	cable 2m, 4x0.25mm ² in PVC
Housing material	PET (EC 1935/2004, EC 10/2011, 2023/2006 (GMP), FDA CFR 21 177)
Active surface material	PET (EC 1935/2004, EC 10/2011, 2023/2006 (GMP), FDA CFR 21 177)
Lid material	PA/PPO

