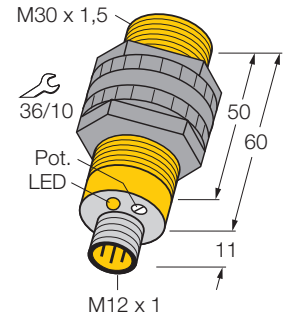
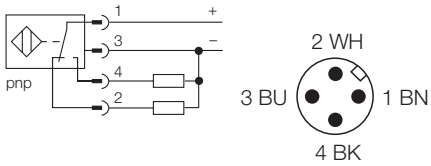
capacitive sensor
BCF10-S30-VP4X-H1141



- **threaded barrel, M30 x 1.5**
- **plastic, PA12-GF30**
- **fine adjustment via potentiometer**
- **highly EMC and RFI immune**
- **Suited for highly viscous media**
- **4-wire DC, 10…65 VDC**
- **change-over, pnp output**
- **connector, M12 x 1**

Wiring diagram



Type	BCF10-S30-VP4X-H1141
Ident-No.	2506117
Rated operating distance Sn	10 mm, flush mounting
Rated operating distance Sn	15 mm, non-flush mounting
Hysteresis	2… 20 %
Temperature drift	≤ ± 20 %
Repeatability	≤ 2 %
Ambient temperature	-25…+ 70 °C
Operating voltage	10… 65VDC
Residual ripple	≤ 10 % U_{ss}
DC rated operational current	≤ 200 mA
No-load current I_0	≤ 15 mA
Residual current	≤ 0.1 mA
Rated insulation voltage	≤ 0.5 kV
Output function	4-wire, change-over, pnp
Short-circuit protection	yes / cyclic
Voltage drop at I_e	≤ 1.8V
Wire breakage / Reverse polarity protection	yes / complete
Housing	threaded barrel, M30 x 1.5
Dimensions	91 mm
Housing material	plastic, PA12-GF30
Material active face	plastic, PA12-GF30
Tightening torque of housing nut	5 Nm
Connection	connectors, M12 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30g (11 ms)
Degree of protection	IP67
Display switch state	LED yellow

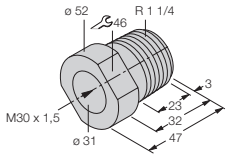
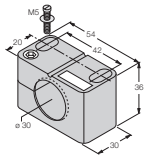
Capacitive proximity switches are designed for non-contact and wear-free detection of metal (electrically conductive) and non-metal (electrically non-conductive) objects.

• Edition: • 25.11.2008

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Industrial Automation

Accessories

Type code	Ident-No.	Short text	Dimension drawing
MAP-M30	6950013	mounting adapter; material: Polypropylene; sensor replacement with filled container possible (adapter remains in container during sensor replacement)	
BST-30B	6947216	fixing clamp with dead-stop; material: PA6	

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