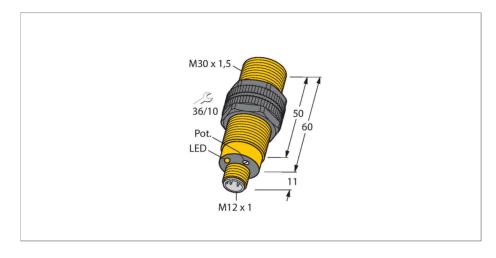


BCC10-S30-RP4X-H1143 Capacitive Sensor – For the Detection of Dry Pellets



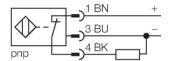
Features

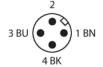
- ■M30 × 1.5 threaded barrel
- Plastic, PA12-GF30
- Fine adjustment via potentiometer
- Especially for dry pellets and the plastics industry
- ■EMC and ESD resistant
- ■DC 3-wire, 10...65 VDC
- DC 3-wile, 10...03 VDC
- ■NC contact, PNP output
- ■M12 × 1 connector

Wiring diagram

Technical data

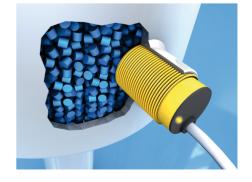
2562 nm nm .72 × Sn) mm 20 %
nm .72 × Sn) mm
.72 × Sn) mm
20 %
ical 20 %
% of full scale
+70 °C
VDC
.30 VDC for use in China
) % U _{Bmax}
00 mA
5 mA
1 mA
kHz
kV
re, NC contact, PNP
Cyclic
8 V
Complete





Functional principle

Level monitoring of pellets is usually done with sensors mounted in pipes, silos or on inspection windows. The new TURCK sensor series features excellent EMC and ESD properties. Mounting in metal flanges induces lateral predamping which disturbs normal sensor. This effect is neutralized with a laterally mounted shield and an integrated processing unit. A constant switching distance is thus achieved.

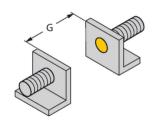


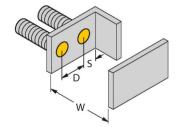
Technical data

Tests/approvals	
Approvals	UL
UL registration number	E210608
Mechanical data	
Design	Threaded barrel, M30 x 1.5
Dimensions	60 mm
Housing material	Plastic, PA12-GF30, PEI
Active area material	PA12-GF30, yellow
Admissible pressure on front cap	≤ 3 bar
Max. tightening torque of housing nut	5 Nm
Electrical connection	Connector, M12 × 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
MTTF	1080 years acc. to SN 29500 (Ed. 99) 40 °C
Switching state	LED, Yellow

Mounting instructions

Product features





Distance D	60 mm
Distance W	30 mm
Distance S	45 mm
Distance G	60 mm
Diameter active area B	Ø 30 mm

The given minimum distances have been checked against the standard switching distance.

Should the sensitivity of the sensors be changed via potentiometer, the data sheet specifications no longer apply.