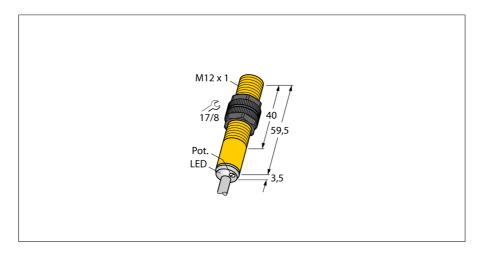
## Capacitive sensor BC3-S12-RP6X





Type code	BC3-S12-RP6X
Ident no.	2601202
Rated switching distance (flush)	3 mm

Output function 3-wire, NC contact, PNP

 $\begin{tabular}{lll} Short-circuit protection & yes/ cyclic \\ Voltage drop at I_e & \le 1.8 \ V \\ Wire breakage / Reverse polarity protection & yes/ complete \\ \end{tabular}$ 

**Design** threaded barrel, M12 x 1

Dimensions 63 mm

Housing material plastic, PA

Material active area Plastic, PA, yellow

 $\begin{array}{lll} \mbox{Admissible pressure on front cap} & \leq 8 \mbox{ bar} \\ \mbox{Max. tightening torque housing nut} & 1 \mbox{ Nm} \\ \mbox{Connection} & \mbox{cable} \\ \end{array}$ 

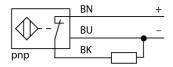
Cable quality  $\emptyset$  5.2, LifYY, PVC, 2 m Cable cross section  $3 \times 0.5 \text{ mm}^2$  Vibration resistance 55 Hz (1 mm) Shock resistance 30 g (11 ms) Protection class

MTTF 1080 years acc. to SN 29500 (Ed. 99) 40 °C

Switching state LED yellow

- Threaded barrel, M12 x 1
- Plastic, PA12-GF30
- Fine adjustment via potentiometer
- DC 3-wire, 10...30 VDC
- NC contact, PNP output
- Cable connection

#### Wiring diagram



#### **Functional principle**

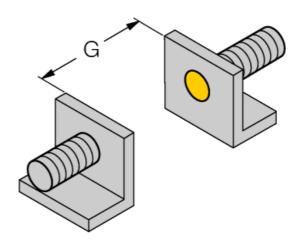
Capacitive proximity switches are designed for non-contact and wear-free detection of electrically conductive as well as non-conductive metal objects.

### TURCK

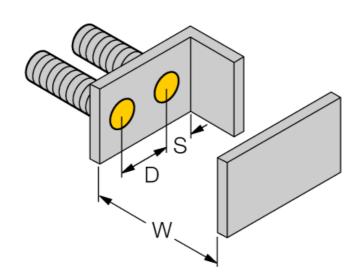
## Capacitive sensor BC3-S12-RP6X



Mounting instructions / Description	minimum distances	
Distance D	24 mm	
Distance W	9 mm	
Distance S	18 mm	
Distance G	18 mm	
Diameter of the active area B	Ø 12 mm	



The given minimum distances have been checked in compliance with the standard switching distance. Should the sensitivity of the sensors be changed via potentiometer, the data sheet specifications no longer apply.



# Capacitive sensor BC3-S12-RP6X



### **Accessories**

Type code	Ident no.	Description	Dimension drawing
MAP-M12-PP	6950016	Mounting adapter; material: Polypropylene; sensor replacement with filled container possible (adapter remains in container during sensor replacement)	0 36 R 3/4  2 30  M12 x 1 7 6 7 29  42,5
MAP-M12-PVDF	6950017	Mounting adapter; material: Polyvenylidenflourid; sensor can be replaced with filled container (adapter remains in container during replacement)	0 36 R 3/4  2 30   17 6   17 29   42,5
BST-12B	6947212	Fixing clamp for threaded barrel devices, with dead-stop; material: PA6	M5 20 28 40 18 18 18 18