

## Cylindrical designs - Metal

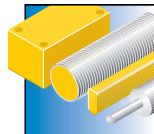


Cylindrically shaped capacitive sensors feature high switching distances and are available in many different designs. M12, M18 and M30 chrome-plated threaded barrels are available with connection cable or male connection. Besides the usual reliability, capacitive sensors feature standard properties such as automatic wetting compensation, excellent EMC and ESD properties and more flexibility with respect to mounting.

### Features

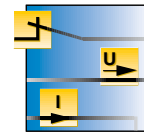
- Excellent reliability
- Automatic wetting compensation
- Excellent EMC properties
- ESD immunity
- Mounting flexibility

### Properties



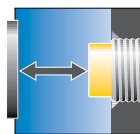
#### Designs

Threaded barrel M12 x 1, M18 x 1 and M30 x 1.5



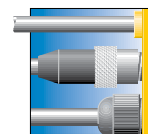
#### Electrical versions

2-wire AC, 3-wire and 4-wire DC, PNP or NPN switching; NO/NC contact as well as with antivalent switching output



#### Switching distances

From 3 mm flush to 10 mm non-flush on all metals and non-metals



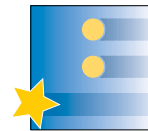
#### Electrical connections

2 m connection cable or male M12 x 1



#### Materials

Threaded barrels, chrome-plated brass



#### Special features

Fine adjustment via potentiometer, protection class IP67



#### Internet link

Scan the QR code to access our products on the internet

## M12



### General data

<b>Operating voltage</b>	10...30 VDC	<b>Switching distance</b>	3 mm,
<b>Housing material</b>	CuZn, chrome-plated	<b>Operating current [mA]</b>	200,
<b>Ambient temperature</b>	-25...+70 °C	<b>Adjustment</b>	Potentiometer

### Types and data – selection table

Type	Connection	Output	Approvals	Dimensions	w	d
BC3-M12-AP6X	2 m cable	, PNP	–	Ø 12 x 63.5 mm	w061	d408
BC3-M12-RP6X	2 m cable	, PNP	–	Ø 12 x 63.5 mm	w062	d408
BC3-M12-AP6X-H1141	male, M12 x 1	, PNP	–	Ø 12 x 70 mm	w064	d409
BC3-M12-AP6X/S90/3GD	2 m cable	, PNP	II 3 G II 3 D	Ø 12 x 63.5 mm	w061	d408

Many different types available, also as NPN version, see type code

## M18



### General data

<b>Switching distance</b>	5 mm,	<b>Housing material</b>	CuZn, chrome-plated
<b>Ambient temperature</b>	-25...+70 °C		

### Types and data – selection table

Type	Connection	Operating voltage	Output	Operating current [mA]	Dimensions	Adjustment	w	d
BC5-M18-AP4X-H1141/S250	male, M12 x 1	10...65 VDC	, PNP	200,	Ø 18 x 83 mm	fixed	w064	d410
BC5-M18-RP4X-H1141/S250	male, M12 x 1	10...65 VDC	, PNP	200,	Ø 18 x 83 mm	fixed	w075	d410
BC5-M18-AP4X	2 m cable	10...65 VDC	, PNP	200,	Ø 18 x 74 mm	Potentiometer	w061	d411
BC5-M18-RP4X	2 m cable	10...65 VDC	, PNP	200,	Ø 18 x 74 mm	Potentiometer	w062	d411
BC5-M18-AZ3X	2 m cable	20...250 VAC	, 2-wire	–	Ø 18 x 74 mm	Potentiometer	w076	d411
BC5-M18-RZ3X	2 m cable	20...250 VAC	, 2-wire	–	Ø 18 x 74 mm	Potentiometer	w077	d411

Many different types available, also as NPN version, see type code

## M30



### General data

**Switching distance** 10 mm,

**Ambient temperature** -25...+70 °C

**Housing material** CuZn, chrome-plated

**Adjustment** Potentiometer

### Types and data – selection table

Type	Connection	Operating voltage	Output	Operating current [mA]	Dimensions	w	d
BC10-M30K-VP4X-H1141	male, M12 x 1	10...65 VDC	, PNP	200,	Ø 30 x 60 mm	w069	d412
BC10-M30K-VP4X	2 m cable	10...65 VDC	, PNP	200,	Ø 30 x 62.5 mm	w067	d413
BC10-M30K-RZ3X	2 m cable	20...250 VAC	, 2-wire	–	Ø 30 x 62.5 mm	w077	d413
BC10-M30K-AZ3X	2 m cable	20...250 VAC	, 2-wire	–	Ø 30 x 62.5 mm	w076	d413

Many different types available, also as NPN version, see type code

