

new



C12P/00-3E



C30P/BN-1E



CQ55/BP-3E



INC1/D0-3A

**Capacitive proximity sensors** are used to sense any material, solid or liquid (*water, wood, metals, granules, powders, etc...*) even through plastic or glass walls. They feature extremely high electromagnetic compatibility (EMC), with high shock/vibration resistance and minimal sensitivity to dust and moisture, ensuring reliable object detection in harsh industrial environments.

- Detects powders, granulates, liquids and solids
- Sensitivity adjustment
- Short circuit and polarity reversal protection
- Protection degree: IP67/68/69K
- Ambient limits: -20 ... +85°C
- LED indication: Incorporated
- Housing material: Thermoplastic polyester

type	supply voltage	flush	non flush	sensing distance	NPN	PNP	NO	NC	connector	body length
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**M12 Capacitive proximity switches** M12 (4pin) plug connection

- Adjustable sensitivity via Teach-in button
- Automatic detection of NPN or PNP load

<b>C12P/00-3E</b>	10 - 40 VDC	•		0.5...8 mm	•	•	•	•	M12 plug	80 mm
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**M18 Capacitive proximity switches** M12 (4pin) plug connection

- Adjustable sensitivity via potentiometer
- Standard output: NO and NC

<b>C18P/BP-1E</b>	10 - 40 VDC	•		3...8 mm		•	•	•	M12 plug	84 mm
<b>C18P/BN-1E</b>	10 - 40 VDC	•		3...8 mm	•	•	•	•	M12 plug	84 mm
<b>C18P/BP-2E</b>	10 - 40 VDC		•	3...12 mm		•	•	•	M12 plug	92 mm
<b>C18P/BN-2E</b>	10 - 40 VDC		•	3...12 mm	•	•	•	•	M12 plug	92 mm

**AC version** cable connection

<b>C18P/A0-1A</b>	20 - 250 VAC	•		3...8 mm	SCR	•			cable	87 mm
<b>C18P/C0-1A</b>	20 - 250 VAC	•		3...8 mm	SCR		•		cable	87 mm
<b>C18P/A0-2A</b>	20 - 250 VAC		•	3...12 mm	SCR	•			cable	95 mm
<b>C18P/C0-2A</b>	20 - 250 VAC		•	3...12 mm	SCR		•		cable	95 mm

**M30 Capacitive proximity switches** M12 (4pin) plug connection

- Adjustable sensitivity via potentiometer
- Standard output: NO and NC

<b>C30P/BP-1E</b>	10 - 40 VDC	•		2...16 mm		•	•	•	M12 plug	79 mm
<b>C30P/BN-1E</b>	10 - 40 VDC	•		2...16 mm	•	•	•	•	M12 plug	79 mm
<b>C30P/BP-2E</b>	10 - 40 VDC		•	4...25 mm		•	•	•	M12 plug	91 mm
<b>C30P/BN-2E</b>	10 - 40 VDC		•	4...25 mm	•	•	•	•	M12 plug	91 mm

**AC version** cable connection

<b>C30P/00-1A</b>	20 - 250 VAC	•		2...16 mm	SCR	•	•		cable	79 mm
<b>C30P/00-2A</b>	20 - 250 VAC		•	4...25 mm	SCR	•	•		cable	91 mm

**Cubic capacitive sensors (flat pack housing)**

- Adjustable sensitivity via potentiometer
- Standard output: NO and NC

<b>CQ55 series cubic sensors (flat body)</b>		M12 (4pin) plug connection				58 x 35 x 15 mm			
<b>CQ55/BP-3E</b>	10 - 40 VDC	•		4...25 mm		•	•	M12 plug	58 mm
<b>CQ55/BN-3E</b>	10 - 40 VDC	•		4...25 mm	•	•	•	M12 plug	58 mm

**VBR/INC series - vibration and inclination sensor M18 IP67**

New VBR series shock and vibration sensor incorporates a MEMS 3-axis accelerometer to monitor all accelerations and vibrations. Designed to be easy to use without any special training for operators.

- Programmable operating range:
- Reference axis:
- Frequency range:
- Fully programmable in all its functions, thresholds, alarms and node addresses
- 1 output RS485 (*addressable*) 57600 Baud rate - 1 bit stop - parity
- 1 analogue output (*programmable voltage or current*)

<b>VBR</b>	±2g, ±4g, ±8g, ±16g
	3 (X, Y, Z)
	0 ... 400Hz

<b>INC</b>	360° - 0.025° resolution
	1 direction
	< 3 msec

<b>VBR1/D0-3A</b>	24 VDC	vibration sensor	0 - 10V	4-20mA	cable	40.5 mm
<b>INC1/D0-3A</b>	24 VDC	inclination sensor	0 - 10V	4-20mA	cable	50.5 mm

**Mounting accessories for VBR/INC sensors**

<b>ST18-S</b>	bracket	M18 mounting bracket/housing for above VBR/INC sensor
<b>ST18-V</b>	bracket	M18 metal mounting bracket for above VBR/INC sensor