

		M18 Cable	M18 Plug
		Capacitive Sensors DC	
PNP NO (make function)	CPO010VCSN		
PNP NC (break function)	CPC010VCSN	CPC010VCTN	
NPN NO (make function)	CNO010VCSN	CNO010VCTN	
NPN NC (break function)	CNC010VCSN	CNC010VCTN	
Sensing range nom. Sn	Sn mm	0-10mm	0-10mm
Mounting application		non-embeddable	non-embeddable
Rated Operational Voltage	Ue V	10-30VDC	10-30VDC
Rated insulation voltage	Ui V	30VDC	30VDC
Rated Operational Current	Ie mA	250mA	250mA
Utilisation category		DC13	DC13
IP Code (protection class)		IP67	IP67
Pollution degree		3	3
Repeat Accuracy	R %Sr	<10%	<10%
Differential Travel	H %Sr	<20%	<20%
Frequency of operating cycles	f Hz	200Hz	200Hz
Time delay before availability	tv ms	25ms	25ms
Minimum operational current	Im mA	<0.1mA	<0.1mA
Off state current	Ir mA	<10µA	<10µA
No-load supply current d/un	Io mA	<9mA	<11mA
Voltage Drop	Ud V	<2.5V	<2.5V
LED Function Display		Yes	Yes
LED Power on Display		No	Yes
Inrush Current typ		1.5A	1.5A
Short circuit protection		Yes (see note 1)	Yes (see note 1)
Reverse Polarity Protection		Yes	Yes
Operating Temperature (see note 2)		-25 to +70°C	-25 to +70°C
Housing Material		GRP	GRP
Connection		3m 3w pvc cable	4pin M12 plug
Recommended Connector			BR1AD02V4
Notes			
(1) Short Circuit protection		The sensors can withstand short circuit currents of up to 100A.	
(2) Operating temperature		The sensor will operate to 100°C but Sr may vary by >20%	
Electromagnetic compatability		Radiated electromagnetic field immunity to IEC61000-4-3 Electrostatic discharge (ESD) immunity to IEC61000-4-2 Fast transient immunity to IEC61000-4-4 Emission limits to CISPR11	
Compliant to EN60947-5-2			

		20mm Cable	20mm Plug	
Capacitive Sensors DC				
		PNP NO (make function)	CPO012VESN	CPO012VETN
		PNP NC (break function)	CPC012VESN	CPC012VETN
		NPN NO (make function)	CNO012VESN	CNO012VETN
		NPN NC (break function)	CNC012VESN	CNC012VETN
Sensing range nom. Sn	Sn	mm	0-12mm	0-12mm
Mounting application			non-embeddable	non-embeddable
Rated Operational Voltage	Ue	V	10-30VDC	10-30VDC
Rated insulation voltage	Ui	V	30VDC	30VDC
Rated Operational Current	Ie	mA	250mA	250mA
Utilisation category			DC13	DC13
IP Code (protection class)			IP67	IP67
Pollution degree			3	3
Repeat Accuracy	R	%Sr	<10%	<10%
Differential Travel	H	%Sr	<20%	<20%
Frequency of operating cycles	f	Hz	150Hz	150Hz
Time delay before availability	tv	ms	25ms	25ms
Minimum operational current	Im	mA	<0.1mA	<0.1mA
Off state current	Ir	mA	<10µA	<10µA
No-load supply current d/un	Io	mA	<9mA	<11mA
Voltage Drop	Ud	V	<2.5V	<2.5V
LED Function Display			Yes	Yes
LED Power on Display			No	Yes
Inrush Current typ			1.5A	1.5A
Short circuit protection			Yes (see note 1)	Yes (see note 1)
Reverse Polarity Protection			Yes	Yes
Operating Temperature (see note 2)			-25 to +70°C	-25 to +70°C
Housing Material			GRP	GRP
Connection			3m 3w pvc cable	4pin M12 plug
Recommended Connector			BR1AD02V4	
Notes	<p>(1) Short Circuit protection The sensors can withstand short circuit currents of up to 100A.</p> <p>(2) Operating temperature The sensor will operate to 100°C but Sr may vary by >20%</p> <p>Electromagnetic compatability Radiated electromagnetic field immunity to IEC61000-4-3 Electrostatic discharge (ESD) immunity to IEC61000-4-2 Fast transient immunity to IEC61000-4-4 Emission limits to CISPR11</p>			
Compliant to EN60947-5-2				

**Capacitive
 Sensors DC**

	M30 Cable	M30 Plug
PNP NO (make function)	CPO020VDSN	CPO020VDTN
PNP NC (break function)	CPC020VDSN	CPC020VDTN
NPN NO (make function)	CNO020VDSN	CNO020VDTN
NPN NC (break function)	CNC020VDSN	CNC020VDTN
Sensing range nom. Sn	Sn mm 0-20mm	0-20mm
Mounting application	non-embeddable	non-embeddable
Rated Operational Voltage	Ue V 10-30VDC	10-30VDC
Rated insulation voltage	Ui V 30VDC	30VDC
Rated Operational Current	Ie mA 250mA	250mA
Utilisation category	DC13	DC13
IP Code (protection class)	IP67	IP67
Pollution degree	3	3
Repeat Accuracy	R %Sr <10%	<10%
Differential Travel	H %Sr <20%	<20%
Frequency of operating cycles	f Hz 100Hz	100Hz
Time delay before availability	tv ms 25ms	25ms
Minimum operational current	Im mA <0.1mA	<0.1mA
Off state current	Ir mA <10µA	<10µA
No-load supply current d/un	Io mA <9mA	<11mA
Voltage Drop	Ud V <2.5V	<2.5V
LED Function Display	Yes	Yes
LED Power on Display	No	Yes
Inrush Current typ	1.5A	1.5A
Short circuit protection	Yes (see note 1)	Yes (see note 1)
Reverse Polarity Protection	Yes	Yes
Operating Temperature (see note 2)	-25 to +70°C	-25 to +70°C
Housing Material	GRP	GRP
Connection	3m 3w pvc cable	4pin M12 plug
Recommended Connector		BR1AD02V4
Notes	<p>(1) Short Circuit protection The sensors can withstand short circuit currents of up to 100A.</p> <p>(2) Operating temperature The sensor will operate to 100°C but Sr may vary by >20%</p> <p>Electromagnetic compatability Radiated electromagnetic field immunity to IEC61000-4-3 Electrostatic discharge (ESD) immunity to IEC61000-4-2 Fast transient immunity to IEC61000-4-4 Emission limits to CISPR11</p>	
Compliant to EN60947-5-2		

**Capacitive
 Sensors DC**

	34mm Cable	34mm Plug
PNP NO (make function)	CPO040VFSN	CPO040VFTN
PNP NC (break function)	CPC040VFSN	CPC040VFTN
NPN NO (make function)	CNO040VFSN	CNO040VFTN
NPN NC (break function)	CNC040VFSN	CNC040VFTN
Sensing range nom. Sn	Sn mm 0-40mm	0-40mm
Mounting application	non-embeddable	non-embeddable
Rated Operational Voltage	Ue V 10-30VDC	10-30VDC
Rated insulation voltage	Ui V 30VDC	30VDC
Rated Operational Current	Ie mA 250mA	250mA
Utilisation category	DC13	DC13
IP Code (protection class)	IP67	IP67
Pollution degree	3	3
Repeat Accuracy	R %Sr <10%	<10%
Differential Travel	H %Sr <20%	<20%
Frequency of operating cycles	f Hz 20Hz	20Hz
Time delay before availability	tv ms 25ms	25ms
Minimum operational current	Im mA <0.1mA	<0.1mA
Off state current	Ir mA <10µA	<10µA
No-load supply current d/un	Io mA <9mA	<11mA
Voltage Drop	Ud V <2.5V	<2.5V
LED Function Display	Yes	Yes
LED Power on Display	No	Yes
Inrush Current typ	1.5A	1.5A
Short circuit protection	Yes (see note 1)	Yes (see note 1)
Reverse Polarity Protection	Yes	Yes
Operating Temperature (see note 2)	-25 to +70°C	-25 to +70°C
Housing Material	GRP	GRP
Connection	3m 3w pvc cable	4pin M12 plug
Recommended Connector		BR1AD02V4
Notes	<p>(1) Short Circuit protection The sensors can withstand short circuit currents of up to 100A.</p> <p>(2) Operating temperature The sensor will operate to 100°C but Sr may vary by >20%</p> <p>Electromagnetic compatability Radiated electromagnetic field immunity to IEC61000-4-3 Electrostatic discharge (ESD) immunity to IEC61000-4-2 Fast transient immunity to IEC61000-4-4 Emission limits to CISPR11</p>	
Compliant to EN60947-5-2		