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ema Electronics Ltd.

E-mail:info@ema-electronic.com

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Proximity Sensors

Capacitive Inductive





Features



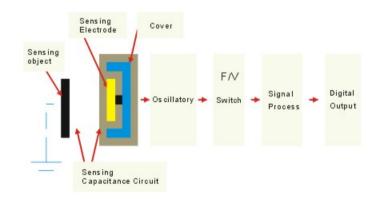
- Plastic thread type and cylinder type; Structure of sensors, durable working, and supply voltage AC/DC available
- Stable Operation: Without adjustable and mechanical components, proximity sensors don't be affected by the qualities of mediums and the variation of density, and it can work immediately after installation
- A variety of size and of outputs, easy installation, user-friendly handling
- Operating temperature: -25~80(°C) Resistance to high temperature: -25~100(°C)
- Protection Classification:IP67
- Certification:CE and RoHS
- Sensing Objects: Solids and liquids
- Output: NPN、PNP、AC、DC、N/O、N/C
- Display: LED.
- Electric Protection: Overload, short-circuit, reverse polarity

Operating Principle

Capacitive proximity sensors belong to a sort of position sensors. Like the structure of a capacitor, the probe of sensor acts as one pole of capacitor and another pole is the sensing object. While the sensing object approaches a proximity sensor, the dielectric constant may change between object and sensor. Meanwhile, this causes the circuit to alter. The sensing objects of capacitive proximity sensors can be not only metals but also insulting solids, liquids, and powders. When detecting the low-k objects, proximity sensors can enhance the sensitivity by modifying clockwise the multipotentiometer behind the sensors; furthermore, a normal potentiometer makes a capacitive proximity sensor actuate in the position of sensing range by 70%~80%.

The sensing interface of capacitive proximity sensor is composed of two in-line metal electrodes, and it is similar to an open capacitors. These two electrodes constitute a capacitance with a series connection inside the RC oscillatory circuit. When the power is on, the RC oscillator stop working until a sensing object approaches the sensing interface due to the increasing volume of capacitance. Through the comparison between the signals handled by the post-circuit and the internal signals, a capacitive proximity sensor can detect the existence of objects. It can sense not only the metals but non-metals; moreover, the sensing range to the metals can acquire maximum value. The sensing range of the non-metals depends on the dielectric constants of the sensing materials. The higher dielectric constant, the longer sensing ranges.

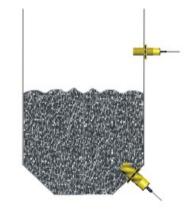
Operation Procedure of Capacitive Proximity Sensors



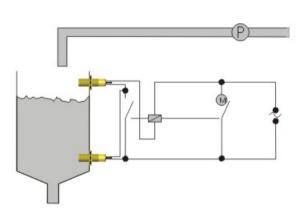
Application

Capacitive Proximity Sensors can sense metals and non-metals, such as liquids, solids in the funnels, the storage tanks, and the granaries. They are applied extensively in the industry; for example timbering, papermaking, glass, plastics, foods, cement, chemistry engineering, and etc.

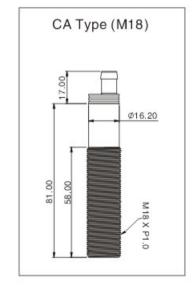
Sensing Level of Solids

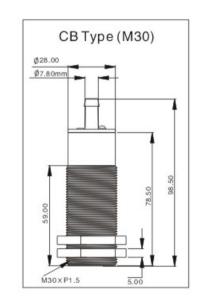


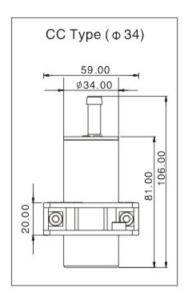
Sensing Level of Liquids



Dimensions (mm)







Wiring

Electric Design	Connection	Color of Wire	Mode of Connection
0.14/2	PVC Cable / 2 m; 2 x 0.34 mm ² /td>5	BN BU	BN L+ L1 3 BU N
2-Wire	M 12 Socket	WH BN 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BN L+ L1 3 BU N
3-Wire	PVC Cable / 2 m; 3 x 0.34 mm ² /td>5	BN BU BK	Wire connection for PNP output BN L+ 4 BK 3 BU L- BN L+ 4 BK 3 BU L-
	M 12 Socket	WH BN ① ②	Wire connection for NPN output BN L+ BK 3 BU L- BN L+ BK 3 BU L-

Socket

Туре			Socket Par	t NO.		
	С	02	I	5	С	12
I L	C: Cable	Length 02: 2m 05: 5m 10: 10m	Connecter I: Straight L: Angle	Core 4: 4 5: 5	Material R: PUR C: PVC	Socket Size 12: M12

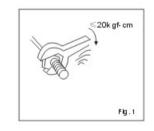
Order T	уре	CA: M18		СВ	: M30		CC:	Ø34
Order NO .	Housing Material	Supply Voltage	Sensing Range	Electric Design	Output	Load Current (mA)	Length (mm)	Connection
CA0001	PBT+GF	20~250VAC/DC	8 mm nf	2-Wire	NO	250	80	2M,PVC
CA0002	PBT+GF	20~250VAC/DC	8 mm nf	2-Wire	NC	250	80	2M,PVC
CA0004	PBT+GF	10~36VDC	8 mm nf	3-Wire	PNPNO	250	80	2M,PVC
CA0005	PBT+GF	10~36VDC	8 mm nf	3-Wire	PNP NC	250	80	2M,PVC
CA0006	PBT+GF	10~36VDC	8 mm nf	3-Wire	NPN NO	250	80	2M,PVC
CA0007	PBT+GF	10~36VDC	8 mm nf	3-Wire	NPNNC	250	80	2M,PVC
CA0008	PBT+GF	10~36VDC	8 mm nf	2-Wire	ио/ис	250	80	2M,PVC
CB0001	PBT+GF	20~250VAC/DC	15 mm nf	2-Wire	NO	250	80	2M,PVC
CB0002	PBT+GF	20~250VAC/DC	15 mm nf	2-Wire	NC	250	80	2M,PVC
CB0003	PBT+GF	20~250VAC/DC	15 mm nf	2-Wire	NO/NC	250	80	2M,PVC
CB0004	PBT+GF	10~36VDC	15 mm nf	3-Wire	PNPNO	250	80	2M,PVC
CB0005	PBT+GF	10~36VDC	15 mm nf	3-Wire	PNPNC	250	80	2M,PVC
CB0006	PBT+GF	10~36VDC	15 mm nf	3-Wire	NPN NO	250	80	2M,PVC
CB0007	PBT+GF	10~36VDC	15 mm nf	3-Wire	NPNNC	250	80	2M,PVC
CB0008	PBT+GF	10~36VDC	15 mm nf	2-Wire	NO/NC	250	80	2M,PVC

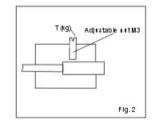
Order NO .	Housing Material	Supply Voltage	Sensing Range	Electric Design	Output	Load Current (mA)	Length (mm)	Connection
CB0009	PBT+GF	20~250VAC/DC	15 mm nf	2-Wire	NO	250	80	M12,Socket
CB0010	PBT+GF	20~250VAC/DC	15 mm nf	2-Wire	NC	250	80	M12,Socket
CB0011	PBT+GF	20~250VAC/DC	15 mm nf	2-Wire	NO/NC	250	80	M12,Socket
CB0012	PBT+GF	10~36VDC	15 mm nf	3-Wire	PNP NO	250	80	M12,Socket
CB0013	PBT+GF	10~36VDC	15 mm nf	3-Wire	PNPNC	250	80	M12,Socket
CB0014	PBT+GF	10~36VDC	15 mm nf	3-Wire	NPNNO	250	80	M12,Socket
CB0015	PBT+GF	10~36VDC	15 mm nf	3-Wire	NPN NC	250	80	M12,Socket
CB0016	PBT+GF	10~36VDC	15 mm nf	2-Wire	NO/NC	250	80	M12,Socket
CB0017	PBT+GF	10~36VDC	15 mm nf	3-Wire	PNP NO/NC	250	80	M12,Socket
CC0001	PBT+GF	20~250VAC/DC	20 mm nf	2-Wire	NO	250	80	2M,PVC
CC0002	PBT+GF	20~250VAC/DC	20 mm nf	2-Wire	NC	250	80	2M,PVC
CC0003	PBT+GF	20~250VAC/DC	20 mm nf	2-Wire	NO/NC	250	80	2M,PVC
CC0004	PBT+GF	10~36VDC	20 mm nf	3-Wire	PNP NO	250	80	2M,PVC
CC0005	PBT+GF	10~36VDC	20 mm nf	3-Wire	PNPNC	250	80	2M,PVC
CC0006	PBT+GF	10~36VDC	20 mm nf	3-Wire	NPNNO	250	80	2M,PVC
CC0007	PBT+GF	10~36VDC	20 mm nf	3-Wire	NPN NC	250	80	2M,PVC
CC0008	PBT+GF	10~36VDC	20 mm nf	2-Wire	NO/NC	250	80	2M,PVC
CC0009	PBT+GF	20~250VAC/DC	20 mm nf	2-Wire	NO	250	80	M12,Socket
CC0010	PBT+GF	20~250VAC/DC	20 mm nf	2-Wire	NC	250	80	M12,Socket
CC0011	PBT+GF	20~250VAC/DC	20 mm nf	2-Wire	NO/NC	250	80	M12,Socket
CC0012	PBT+GF	10~36VDC	20 mm nf	3-Wire	PNP NO	250	80	M12,Socket
CC0013	PBT+GF	10~36VDC	20 mm nf	3-Wire	PNPNC	250	80	M12,Socket
CC0014	PBT+GF	10~36VDC	20 mm nf	3-Wire	NPNNO	250	80	M12,Socket
CC0015	PBT+GF	10~36VDC	20 mm nf	3-Wire	NPN NC	250	80	M12,Socket
CC0016	PBT+GF	10~36VDC	20 mm nf	2-Wire	NO/NC	250	80	M12,Socket

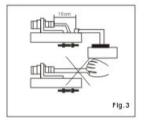
Installation

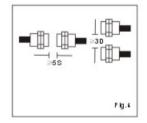
Туре	M ounting	Mounting Size	Mounting Direction
CA	Standard Mounting (with nut)	1、Nut: M18×1 2、Vent: 18.2 <d<22(mm) 3、Non-flash mounting</d<22(mm) 	39
СВ	Standard Mounting (with nut)	1、Nut: M30×1.5 2、Vent: 30.2 <d<34(mm) 3、Non-flash mounting</d<34(mm) 	<i>P</i>
СС	M ountin g Clamp	1、Vent: 34.2 <d<40(mm) 2、Fixed Bolt: M5 3、Non-flash mounting</d<40(mm) 	

Installation Notice









Mounting for thread type: Don't twist the torgue too hard (Fig.1)

Mounting for cylinder type: To adjust the fixed screw and keep the torque in the range of 2-4kgf-cm. (Fig. 2)

Lead protection: Please fasten the lead which is located 10cm far away the sensor by a clip in order to avoid the damage of sensor resulted from the lead affected by an external force. (Fig. 3)

To prevent the mutual influences between the sensors: When mounting in facing way or apposed way, please follow the instruction in Fig. 4 to avoid of the false operation from the mutual influences.

Notice: S-Sensing Range; D-sensor Diameter.

Features



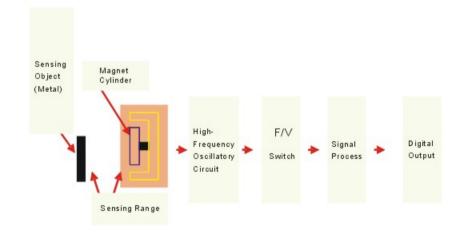
- IC smart inductive proximity sensor. Through an orientation mode, user can set the sensing range and the warning point discretionarily
- Sensing objects: Metals
- Output: NPN、PNP、AC、DC、N/O、N/C
- Display: LED
- Electric Protection: Overload, short-circuit, reverse polarity
- Protection Classification: IP67
- Certification: CE and RoHS
- A variety of size and of outputs, easy installation, user-friendly handling
- Operating temperature:-25~80(℃) Resistance to high temperature:-25~100(℃)

Operating Principle

Inductive proximity sensors include coils and electromagnets, and these two components are combined to the inductive part of a LC tuned circuit which activates the oscillator. Coils and electromagnets generate a low frequency electromagnetic field (EMF), and it is radiated from the sensing surface of the sensor. When a conductive object such as metals enters EMF, the eddy current starts to be transmitted inside the conductor. By absorbing the energy from EMF, this eddy current is increasing to the degree which is too large to be outputted by an amplifier so that the oscillator stop working and EMF disappears. It has been a well-known eddy current oscillator in the past.

Inductive proximity sensors are a sort of position sensors and composed of LC high-frequency oscillator and amplified resistor. When the metals approach the oscillatory sensing interface, it can generate an electric magnet field and an eddy current appearing inside the objects. This current retroacts to the proximity sensor and weaken the oscillation amplitude as to change the parameters of internal circuit in order to detect whether any metal approaches and to control the output of switches. The sensing objects for inductive proximity sensors should be all metals or conductive materials.

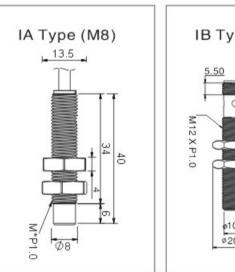
Operation Procedure of Inductive Proximity Sensors

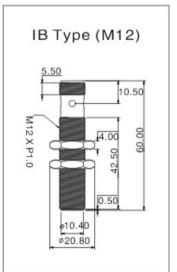


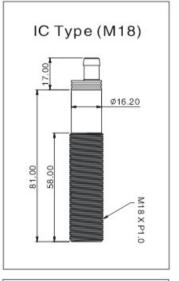
Application

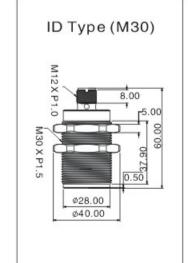
Inductive Proximity Sensors are usually applied to sense metals or conductive materials. Sensing range is determined by size of the sensors objects. The value of energy is determined by the size of the coils inside the sensors. The bigger sensors equip bigger coils which can ossible to offer and are possible to offer the longer sensing range. Therefore, this is better to choose an adequate sensor in size to match the sensing range needed, and it can avoid any unstable condition happened.

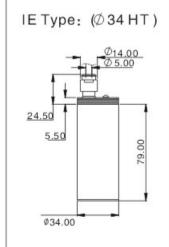
Dimensions (mm)

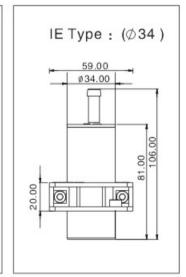


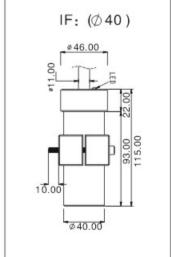












HT-High Temperature

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Wiring

Electric Design	Connection	Color of Wire	Mode of Connection
2-Wire	PVC Cable / 2 m; 2 x 0.34 mm ² /td>5	BN BU	BN L+ L1
z-vvire	M 12 Socket	WH BN D D D D D D D D D D D D D D D D D D	BN L+ L1 3 BU N
3-Wire	PVC Cable / 2 m; 3 x 0.34 mm ² /td>5	BN BU BK	Wire connection for PNP output BN L+ 4 BK 3 BU L- BN L+ 4 BK 3 BU L-
	M 12 Socket	WH BN ① Property of the state	Wire connection for NPN output BN L+ BK 3 BU L- BN L+ BN L- BN L- BN L-

Socket

Туре			Socket Par	t NO.		
	С	02	I	5	С	12
I L	C: Cable	Length 02: 2m 05: 5m 10: 10m	Connecter I: Straight L: Angle	Core 4: 4 5: 5	Material R: PUR C: PVC	Socket Size 12: M12

Order	Туре	IA: M8	IB:	M12	IC: N	/118 ID: N	/30 II	E: ∅34	4 IF: ∅4	0
Order NO.	Housing Material	Supply Voltage (v)	Sensing Range	Electric Design	Status	Output	Load Current (mA)	Length (mm)	Connection	НТ
IA0001	brass	1036	1mm f	2-Wire	NO/NC	DC PNP/NPN	200	40	2M,PVC	-
IA0002	brass	1036	1 mm f	2-Wire	NO	DC PNP/NPN	200	40	2M,PVC	-
IA0003	brass	1036	1mm f	2-Wire	NC	DC PNP/NPN	200	40	2M,PVC	-
IA0004	brass	1036	2mm nf	2-Wire	NO/NC	DC PNP/NPN	200	40	2M,PVC	-
IA0005	brass	1036	2mm nf	2-Wire	NO	DC PNP/NPN	200	40	2M,PVC	-
IA0006	brass	1036	2mm nf	2-Wire	NC	DC PNP/NPN	200	40	2M,PVC	-
IA0007	brass	1036	1mm f	3-Wire	NO	DC PNP	200	40	2M,PVC	-
1A0008	brass	1036	1mm f	3-Wire	NO	DC NPN	200	40	2M,PVC	-
IA0009	brass	1036	1mm f	3-Wire	NC	DC PNP	200	40	2M,PVC	-
IA0010	brass	1036	1 mm f	3-Wire	NC	DC NPN	200	40	2M,PVC	-
IA0011	brass	1036	2mm nf	3-Wire	NO	DC PNP	200	40	2M,PVC	-
IA0012	brass	1036	2mm nf	3-Wire	NO	DC NPN	200	40	2M,PVC	-
IA0013	brass	1036	1mm f	3-Wire	NO	DC PNP	200	40	5M,PVC	-
IA0014	brass	1036	2mm nf	3-Wire	NC	DC PNP	200	40	2M,PVC	-
IA0015	brass	1036	2mm nf	3-Wire	NC	DC NPN	200	40	2M,PVC	-
IA0030	brass	1036	1mm f	2-Wire	NO/NC	DC PNP/NPN	200	60	M12,Socket	-
IA0031	brass	1036	1mm f	2-Wire	NO	DC PNP/NPN	200	60	M12,Socket	-
IA0032	brass	1036	1mm f	2-Wire	NC	DC PNP/NPN	200	60	M12,Socket	-
IA0033	brass	1036	2mm nf	2-Wire	NO/NC	DC PNP/NPN	200	60	M12,Socket	-
IA0034	brass	1036	2mm nf	2-Wire	NO	DC PNP/NPN	200	60	M12,Socket	-

HT-High Temperature

Order NO.	Housing Material	Supply Voltage (v)	Sensing Range	Electric Design	Status	Output	Load Current (mA)	Length (mm)	Connection	HT
IA0035	brass	1036	2mm nf	2-Wire	NC	DC PNP/NPN	200	60	M12,Socket	-
IA0036	brass	1036	1mm f	3-Wire	NO	DC PNP	200	60	M12,Socket	-
IA0037	brass	1036	1mm f	3-Wire	NO	DC NPN	200	60	M12,Socket	-
IA0038	brass	1036	1mm f	3-Wire	NC	DC PNP	200	60	M12,Socket	-
IA0039	brass	1036	1mm f	3-Wire	NC	DC NPN	200	60	M12,Socket	-
IA0040	brass	1036	2 mm nf	3-Wire	NO	DC PNP	200	60	M12,Socket	-
IA0041	brass	1036	2mm nf	3-Wire	NO	DCNPN	200	60	M12,Socket	-
IA0042	brass	1036	2 mm nf	3-Wire	NC	DC PNP	200	60	M12,Socket	-
IA0043	brass	1036	2 mm nf	3-Wire	NC	DCNPN	200	60	M12,Socket	-
IA0044	brass	1036	1mm f	2-Wire	NO/NC	DC PNP/NPN	200	40	2M,PUR	-
IB0001	brass	1036	2mm f	2-Wire	NO/NC	DC PNP/NPN	250	50	2M,PVC	-
IB0002	brass	1036	2mm f	2-Wire	NO	DC PNP/NPN	250	50	2M,PVC	-
IB0003	brass	1036	2mm f	2-Wire	NC	DC PNP/NPN	250	50	2M,PVC	-
IB0004	brass	1036	4 mm nf	2-Wire	NO/NC	DC PNP/NPN	250	50	2M,PVC	-
IB0005	brass	1036	4 mm nf	2-Wire	NO	DC PNP/NPN	250	50	2M,PVC	-
IB0006	brass	1036	4 mm nf	2-Wire	NC	DC PNP/NPN	250	50	2M,PVC	-
IB0007	brass	1036	2mm f	3-Wire	NO	DC PNP	250	50	2M,PVC	-
IB0008	brass	1036	2mm f	3-Wire	NO	DC NPN	250	50	2M,PVC	-
IB0009	brass	1036	2mm f	3-Wire	NC	DC PNP	250	50	2M,PVC	-
IB0010	brass	1036	2mm f	3-Wire	NC	DC NPN	250	50	2M,PVC	-
IB0011	brass	1036	4mm nf	3-Wire	NO	DC PNP	250	50	2M,PVC	-
IB0012	brass	1036	4mm nf	3-Wire	NO	DC NPN	250	50	2M,PVC	-
IB0013	brass	1036	4mm nf	3-Wire	NC	DC PNP	250	50	2M,PVC	-
IB0014	brass	1036	4mm nf	3-Wire	NC	DC NPN	250	50	2M,PVC	-
IB0015	brass	1036	2mm f	2-Wire	NO/NC	DC PNP/NPN	250	60	M12,Socket	-
IB0016	brass	1036	2mm f	2-Wire	NO	DC PNP/NPN	250	60	M12,Socket	-
IB0017	brass	1036	2mm f	2-Wire	NC	DC PNP/NPN	250	60	M12,Socket	-
IB0018	brass	1036	4mm nf	2-Wire	NO/NC	DC PNP/NPN	250	60	M12,Socket	-
IB0019	brass	1036	4mm nf	2-Wire	NO	DC PNP/NPN	250	60	M12,Socket	-
									HT-High	Temperature

Order NO.	Housing Material	Supply Voltage (v)	Sensing Range	Electric Design	Status	Output	Load Current (mA)	Length (mm)	Connection	НТ
IB0020	brass	1036	4mm nf	2-Wire	NC	DC PNP/NPN	250	60	M12,Socket	-
IB0021	brass	1036	2mm f	3-Wire	NC	DC PNP	250	60	M12,Socket	-
IB0022	brass	1036	2mm f	3-Wire	NC	DC NPN	250	60	M12,Socket	-
IB0023	brass	1036	4mm nf	3-Wire	NC	DC PNP	250	60	M12,Socket	-
IB0024	brass	1036	4mm nf	3-Wire	NC	DC NPN	250	60	M12,Socket	-
IB0035	brass	1036	2mm f	3-Wire	NO	DC PNP	250	60	M12,Socket	-
IB0036	brass	1036	2mm f	3-Wire	NO	DC NPN	250	60	M12,Socket	-
IB0039	brass	1036	4mmnf	3-Wire	NO	DC PNP	250	60	M12,Socket	-
IB0040	brass	1036	4mmnf	3-Wire	NO	DC NPN	250	60	M12,Socket	-
IB0041	brass	1036	4mm f	3-Wire	NO	DC PNP	250	40	3M,PVC	-
IB0042	brass	1036	4mm f	3-Wire	NO	DC NPN	250	40	3M,PVC	-
IB0043	brass	1036	4mm f	3-Wire	NC	DC PNP	250	40	3M,PVC	-
IB0044	brass	1036	4mm f	3-Wire	NC	DC NPN	250	40	3M,PVC	-
IB0045	brass	1036	6mmnf	3-Wire	NO	DC PNP	250	40	2M,PVC	-
IB0046	brass	1036	6mmnf	3-Wire	NO	DC NPN	250	40	2M,PVC	-
IB0047	brass	1036	6mmnf	3-Wire	NC	DC PNP	250	40	2M,PVC	-
IB0048	brass	1036	6mmnf	3-Wire	NC	DC NPN	250	40	2M,PVC	-
IB0049	brass	1036	6mmnf	2-Wire	NO	DC PNP/NPN	250	40	2M,PVC	-
IC0001	PBT+GF	1036	5mm f	3-Wire	NO	DC PNP	250	80	2M,PVC	-
IC0002	PBT+GF	1036	5mm f	3-Wire	NO	DC NPN	250	80	2M,PVC	-
IC0003	PBT+GF	1036	5mm f	3-Wire	NC	DC PNP	250	80	2M,PVC	-
IC0004	PBT+GF	1036	5mm f	3-Wire	NC	DC NPN	250	80	2M,PVC	-
IC0005	PBT+GF	1036	10mm nf	3-Wire	NO	DC PNP	250	80	2M,PVC	-
IC0006	PBT+GF	1036	10mm nf	3-Wire	NO	DC NPN	250	80	2M,PVC	-
IC0007	PBT+GF	1036	10mm nf	3-Wire	NC	DC PNP	250	80	2M,PVC	-
IC0008	PBT+GF	1036	10mm nf	3-Wire	NC	DC NPN	250	80	2M,PVC	-
IC0009	PBT+GF	1036	5mm f	3-Wire	NO	DC PNP	250	90	M12,Socket	-
IC0010	PBT+GF	1036	5mm f	3-Wire	NO	DC NPN	250	90	M12,Socket	-
IC0011	PBT+GF	1036	5mm f	3-Wire	NC	DC PNP	250	90	M12,Socket	_

HT-High Temperature

Order NO.	Housing Material	Supply Voltage (v)	Sensing Range	Electric Design	Status	Output	Load Current (mA)	Length (mm)	Connection	НТ
IC0012	PBT+GF	1036	5mm f	3-Wire	NC	DC NPN	250	90	M12,Socket	-
IC0013	PBT+GF	1036	10mm nf	3-Wire	NO	DC PNP	250	90	M12,Socket	-
IC0014	PBT+GF	1036	10mm nf	3-Wire	NO	DC NPN	250	90	M12,Socket	-
IC0015	PBT+GF	1036	10mm nf	3-Wire	NC	DC PNP	250	90	M12,Socket	-
IC0016	PBT+GF	1036	10mm nf	3-Wire	NC	DC NPN	250	90	M12,Socket	-
IC0017	PBT+GF	20250	5mm f	2-Wire	NO	AC/DC	250	80	2M,PVC	-
IC0018	PBT+GF	20250	5mm f	2-Wire	NC	AC/DC	250	80	2M,PVC	-
IC0019	PBT+GF	20250	10mm nf	2-Wire	NO	AC/DC	250	80	2M,PVC	-
IC0020	PBT+GF	20250	10mm nf	2-Wire	NC	AC/DC	250	80	2M,PVC	-
IC0021	brass	1036	7mm f	2-Wire	NO	DC PNP/NPN	250	43	2M,PVC	-
IC0022	brass	1036	7mm f	2-Wire	NC	DC PNP/NPN	250	43	2M,PVC	_
IC0023	PBT+GF	20250	10mm nf	2-Wire	NO	AC/DC	250	80	6M,PVC	-
ID0001	brass	1036	10mm f	3-Wire	NO	DC PNP	250	50	2M,PVC	-
ID0002	brass	1036	10mm f	3-Wire	NO	DC NPN	250	50	2M,PVC	-
ID0003	brass	1036	10mm f	3-Wire	NC	DC PNP	250	50	2M,PVC	-
ID0004	brass	1036	10mm f	3-Wire	NC	DC NPN	250	50	2M,PVC	-
ID0005	brass	1036	15mm nf	3-Wire	NO	DC PNP	250	50	2M,PVC	-
ID0006	brass	1036	15mm nf	3-Wire	NO	DC NPN	250	50	2M,PVC	-
ID0007	brass	1036	15mm nf	3-Wire	NC	DC PNP	250	50	2M,PVC	_
ID0008	brass	1036	15mm nf	3-Wire	NC	DC NPN	250	50	2M,PVC	-
ID0009	brass	1036	10mm f	3-Wire	NC	DC PNP	250	60	M12,Socket	-
ID0010	brass	1036	10mm f	3-Wire	NC	DC NPN	250	60	M12,Socket	-
ID0011	brass	1036	15mm nf	3-Wire	NC	DC PNP	250	60	M12,Socket	-
ID0012	brass	1036	15mm nf	3-Wire	NC	DC NPN	250	60	M12,Socket	-
ID0013	brass	20250	10mm f	2-Wire	ИО	AC/DC	250	50	2M,PVC	-
ID0014	brass	20250	10mm f	2-Wire	NC	AC/DC	250	50	2M,PVC	-
ID0015	brass	20250	15mm nf	2-Wire	NO	AC/DC	250	50	2M,PVC	-
ID0016	brass	20250	15mm nf	2-Wire	NC	AC/DC	250	50	2M,PVC	-
ID0017	PBT+GF	1036	15mm nf	2-Wire	NO/NC	DC PNP/NPN	250	80	2M,PVC	-

Order NO.	Housing Material	Supply Voltage (v)	Sensing Range	Electric Design	Status	Output	Load Current (mA)	Length (mm)	Connection	HT
ID0018	PBT+GF	20250	15 mm nf	2-Wire	NO	AC/DC	250	80	2M,PVC	-
ID0019	PBT+GF	20250	15 mm nf	2-Wire	NC	AC/DC	250	80	2M,PVC	-
ID0020	brass	1036	20 mm nf	2-Wire	NO/NC	DC PNP/NPN	250	60	M12,Socket	•
ID0021	brass	1036	15mmf	3-Wire	ИО	DC PNP	250	60	M12,Socket	-
ID0035	brass	1036	10mmf	3-Wire	NO	DC PNP	250	60	M12,Socket	-
ID0036	brass	1036	10mmf	3-Wire	ИО	DC NPN	250	60	M12,Socket	-
ID0039	brass	1036	15 mm nf	3-Wire	NO	DC PNP	250	60	M12,Socket	-
ID0040	brass	1036	15 mm nf	3-Wire	NO	DC NPN	250	60	M12,Socket	-
ID0041	brass	20250	15 mm nf	2-Wire	NO	AC/DC	250	93.2	5M,PUR	•
ID0042	brass	20250	12mmf	2-Wire	NO	AC/DC	250	93.2	2M,PUR	•
IE0001	PBT+GF	1036	22mm nf	3-Wire	NO	DC PNP	350	80	2M,PVC	-
IE0002	PBT+GF	1036	22mm nf	3-Wire	ИО	DC NPN	350	80	2M,PVC	-
IE0003	PBT+GF	1036	22mm nf	3-Wire	NC	DC PNP	350	80	2M,PVC	-
IE0004	PBT+GF	1036	22 mm nf	3-Wire	NC	DC NPN	350	80	2M,PVC	-
IE0005	PBT+GF	1036	22mm nf	3-Wire	NO	DC PNP	350	80	M12,Socket	-
IE0006	PBT+GF	1036	22 mm nf	3-Wire	NO	DC NPN	350	80	M12,Socket	-
IE0007	PBT+GF	1036	22mm nf	3-Wire	NC	DC PNP	350	80	M12,Socket	-
IE0008	PBT+GF	1036	22 mm nf	3-Wire	NC	DC NPN	350	80	M12,Socket	-
IE0009	PBT+GF	20250	22 mm nf	2-Wire	NO	AC/DC	350	80	2M,PVC	-
IE0010	PBT+GF	20250	22mm nf	2-Wire	NC	AC/DC	350	80	2M,PVC	-
IE0011	PBT+GF	20250	22mm nf	2-Wire	NO	AC/DC	350	80	5M,PUR	•
IE0012	PBT+GF	20250	22mm nf	2-Wire	NC	AC/DC	350	80	5M,PUR	•
IE0013	PBT+GF	20250	22mm nf	2-Wire	NO	AC/DC	350	80	6M,PVC	-
IF0001	Nylon	20250	22 mm nf	2-Wire	NO	AC/DC	350	115	6M,PUR	-

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