

ICS Series Inductive Proximity Sensors



ITC presents Inductive Proximity Sensors from COMEPI. This family of cylindrical devices in the common sizes M8, M12, M16 and M30 are extremely accurate and represent the optimal choice for non-contact detection of metal targets, at distances up to 22mm.

Comepi's ICS sensors are built with mechanical toughness in mind, appropriate for most industrial environments, and respecting environmental requirements in the choice of materials, including special potting resins to protect the electronic components. These sensors are rated IP67 and are individually calibrated to ensure highly accurate and repeatable operation over a wide temperature range (-25 to 70 °C, -13° to 158 °F).



Features and Specifications:

	M8	M12	M18	M30
Rated operational voltage (DC)	10-36V			
No-load current I	<16mA			
Output current at 50C	<200mA			
Output current at 50-70C	<150mA (@ 50-80C)			
Indication for output ON	Yellow LED			
Indication for short circuit	LED blinking 2Hz			
Switching distance Sn (mm)	2 (flush) 4 (non flush)	4 (flush) 8 (non flush)	8 (flush) 14 (non flush)	15 (flush) 22 (non flush)
Ambient temperature, operating	-25C to +80C	-25C to +70C		-25C to +70C
Ambient temperature, storage	-30C to +80C	-30C to +80C		-40C to +80C
Cable	2m - 3 x 0.14mm ²	2m - 3 x 0.25mm ²	2m - 3 x 0.25mm ²	2m - 3 x 0.34mm ²
Connector	M8 3-pin male connector	M12 4-pin male connector		
Materials - housing	Stainless steel AISI304	Nickel-plated brass		
IP rating	IP67			
Approvals	cULus			

Information subject to change without notice

ICS 30mm sensors - construction:

1 Sensing face

- Flush
- Non- flush

2 Fixing

- Easy mounting
- Two nuts for sensor fixing
- Four sizes for sensor: M8, M12, M18, M30

3 Signalling

- Yellow LED visible from every angle
- Flashing output: short circuit or overload indication

4 Connection

- M8 connector
- M12 connector
- 2m cable PVC





Inductive Proximity Sensors - round - 30mm (Order by Part No.)

Part No.	Description	Material	Cylinder Size	Sensing distance Sn	Sensing Face	Connector
ICSMB30F04P1020	Inductive Proximity Sensor; PNP NO	Brass	M12	4mm	Flush	2m cable
ICSMB30N08P1020	Inductive Proximity Sensor; PNP NO	Brass	M12	8mm	Non-flush	2m cable
ICSMB30F04P1M12	Inductive Proximity Sensor; PNP NO	Brass	M12	4mm	Flush	M12
ICSMB30N08P1M12	Inductive Proximity Sensor; PNP NO	Brass	M12	8mm	Non-flush	M12
ICSMC30F08P1020	Inductive Proximity Sensor; PNP NO	Brass	M18	8mm	Flush	2m cable
ICSMC30N14P1020	Inductive Proximity Sensor; PNP NO	Brass	M18	14mm	Non-flush	2m cable
ICSMC30F08P1M12	Inductive Proximity Sensor; PNP NO	Brass	M18	8mm	Flush	M12
ICSMC30N14P1M12	Inductive Proximity Sensor; PNP NO	Brass	M18	14mm	Non-flush	M12
ICSMD30F15P1020	Inductive Proximity Sensor; PNP NO	Brass	M30	15mm	Flush	2m cable
ICSMD30N22P1020	Inductive Proximity Sensor; PNP NO	Brass	M30	22mm	Non-flush	2m cable
ICSMD30F15P1M12	Inductive Proximity Sensor; PNP NO	Brass	M30	15mm	Flush	M12
ICSMD30N22P1M12	Inductive Proximity Sensor; PNP NO	Brass	M30	22mm	Non-flush	M12
ICSXA30F02P1020	Inductive Proximity Sensor; PNP NO	Stainless Steel	M8	2mm	Flush	2m cable
ICSXA30N04P1020	Inductive Proximity Sensor; PNP NO	Stainless Steel	M8	4mm	Non-flush	2m cable
ICSXA30F02P1M8	Inductive Proximity Sensor; PNP NO	Stainless Steel	M8	2mm	Flush	M8
ICSXA30N04P1M8	Inductive Proximity Sensor; PNP NO	Stainless Steel	M8	4mm	Non-flush	M8

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2m cable: PVC - UL; M8 Connector: A size; 3 poles; M12 Connector: B-C-D size; 4 poles

Mounting locknuts included (2)



Accessories - Cables for Inductive Proximity Sensors (Order by Part No.)

Part No.	Description	Poles	Gender	Cable length
IC-XX3D030SM8	M8 connection cable; straight	3	Female	3m
IC-XX3D050SM8	M8 connection cable; straight	3	Female	5m
IC-XX3A03SM8	M8 connection cable; 90 deg	3	Female	3m
IC-XX3A05SM8	M8 connection cable; 90 deg	3	Female	5m
IC-XX4D030SM	M12 connection cable; straight	4	Female	3m
IC-XX4D050SM	M12 connection cable; straight	4	Female	5m
IC-XX4A030SM	M12 connection cable; 90 deg	4	Female	3m
IC-XX4A050SM	M12 connection cable; 90 deg	4	Female	5m

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