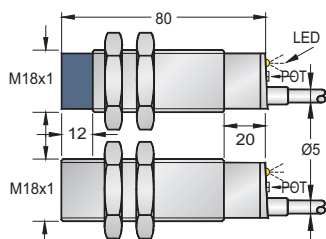


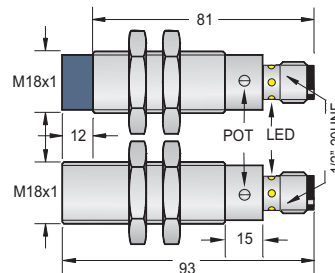
AC Capacitive Proximity Sensors

Features

- M18mm diameter
- 20-250VAC operating voltage
- Sn=2...8mm, shielded
- Sn=2...15mm, non-shielded
- Brass housing case
- PBT housing case
- AC Output
- NO, NC Function
- Cable version
- 3 Pin M12 Connector version
- IP67 Protection



(Unit: mm)



(Unit: mm)

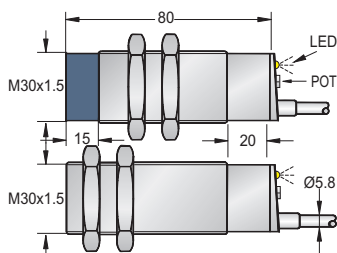


Connection		2m Cable		3 Pin M12 Connector	
Mounting		Shielded	Non-shielded	Shielded	Non-shielded
Brass Case	AC-NO	CN8AE18P08A	CN8AF18P15A	CN8AE18P08L	CN8AF18P15L
	AC-NC	CN8AE18Q08A	CN8AF18Q15A	CN8AE18Q08L	CN8AF18Q15L
PBT Case	AC-NO	CN8ME18P08A	CN8MF18P15A	CN8ME18P08L	CN8MF18P15L
	AC-NC	CN8ME18Q08A	CN8MF18Q15A	CN8ME18Q08L	CN8MF18Q15L
General Data					
Housing size		M18mm		M18mm	
Installation type		Shielded	Non-shielded	Shielded	Non-shielded
Sensing distance (Sn: mm)		2...8mm adjustable	2...15mm adjustable	2...8mm adjustable	2...15mm adjustable
Standard sensing object		Steel 24x24x1mm	Steel 45x45x1mm	Steel 24x24x1mm	Steel 45x45x1mm
Effective sensing distance (Sr: mm)		90 ... 110% of Sn		90 ... 110% of Sn	
Assured operating distance (Sa: mm)		0 ... 80% of Sn		0 ... 80% of Sn	
Hysteresis		<15%		<15%	
Housing material		Nickel plated brass/PBT Resin		Nickel plated brass/PBT Resin	
Operating voltage		20 ... 250VAC		20 ... 250VAC	
Electrical Data					
Rated operating voltage		110VAC		110VAC	
Repeated accuracy		±10%		±10%	
Surge current		5A(20ms)		5A(20ms)	
No load current		<2.5mA		<2.5mA	
Max. Load current		300mA		300mA	
Leakage current		<2.5mA		<2.5mA	
Voltage drop		<9VAC at 300mA		<9VAC at 300mA	
Switching frequency		<25Hz		<25Hz	
Response time		10ms/10ms		10ms/10ms	
Rated insulation voltage		250VAC		250VAC	
Operating temperature		-25°C ... +70°C		-25°C ... +70°C	
Storage temperature		-40°C ... +80°C		-40°C ... +80°C	
Temperature drift		<10%		<10%	
Power indicator		No		No	
Function indicator		Yellow LED		Yellow LED	
Reverse polarity protection		No		No	
Short-circuit protection		No		No	
Min. load current		5mA		5mA	
Correction factors		Fe37 steel=1/stainless steel approx. 0.85/brass approx. 0.5/ Al. Approx. 0.45/ copper approx. 0.4		Fe37 steel=1/stainless steel approx. 0.85/brass approx. 0.5/ Al. Approx. 0.45/ copper approx. 0.4	
Mechanical Data					
Sensing surface material		PBT		PBT	
Protection		IP67		IP67	
Shock rating		Shock, half-sinus, 30gn, 11ms		Shock, half-sinus, 30gn, 11ms	
Vibration rating		55Hz, 1mm ampl., 3x30min.		55Hz, 1mm ampl., 3x30min.	
EMC		IEC 60947-5-2		IEC 60947-5-2	
Accessory		2 nuts		2 nuts	
Connection		2m PVC cable (Ø5 3x0.5mm ² /2x0.5mm ²)		Micro-style 3 Pin 1/2" connector	
Weight		Approx. 115g		Approx. 94g	

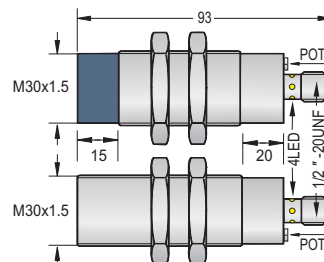
AC Capacitive Proximity Sensors

Features

- M30mm diameter
- 20-250VAC operating voltage
- Sn=2...20mm, shielded
- Sn=2...30mm, non-shielded
- Brass housing case
- PBT housing case
- AC Output
- NO, NC Function
- Cable version
- 3 Pin M12 Connector version
- IP67 Protection



(Unit: mm)



(Unit: mm)



Connection		2m Cable		3 Pin M12 Connector	
Mounting		Shielded	Non-shielded	Shielded	Non-shielded
Brass Case	AC-NO	CN8AE30P20A	CN8AF30P30A	CN8AE30P20L	CN8AF30P30L
	AC-NC	CN8AE30Q20A	CN8AF30Q30A	CN8AE30Q20L	CN8AF30Q30L
PBT Case	AC-NO	CN8ME30P20A	CN8MF30P30A	CN8ME30P20L	CN8MF30P30L
	AC-NC	CN8ME30Q20A	CN8MF30Q30A	CN8ME30Q20L	CN8MF30Q30L
General Data					
Housing size		M30mm		M30mm	
Installation type		Shielded	Non-shielded	Shielded	Non-shielded
Sensing distance (Sn: mm)		2...20mm adjustable		2...30mm adjustable	
Standard sensing object		Steel 60x60x1mm		Steel 90x90x1mm	
Effective sensing distance (Sr: mm)		90 ... 110% of Sn		90 ... 110% of Sn	
Assured operating distance (Sa: mm)		0 ... 80% of Sn		0 ... 80% of Sn	
Hysteresis		<15%		<15%	
Housing material		Nickel plated brass/PBT Resin		Nickel plated brass/PBT Resin	
Operating voltage		20 ... 250VAC		20 ... 250VAC	
Electrical Data					
Rated operating voltage		110VAC		110VAC	
Repeated accuracy		±10%		±10%	
Surge current		5A(20ms)		5A(20ms)	
No load current		<2.5mA		<2.5mA	
Max. Load current		300mA		300mA	
Leakage current		<2.5mA		<2.5mA	
Voltage drop		<9VAC at 300mA		<9VAC at 300mA	
Switching frequency		<25Hz		<25Hz	
Response time		10ms/10ms		10ms/10ms	
Rated insulation voltage		250VAC		250VAC	
Operating temperature		-25°C ... +70°C		-25°C ... +70°C	
Storage temperature		-40°C ... +80°C		-40°C ... +80°C	
Temperature drift		<10%		<10%	
Power indicator		No		No	
Function indicator		Yellow LED		Yellow LED	
Reverse polarity protection		No		No	
Short-circuit protection		No		No	
Min. load current		5mA		5mA	
Correction factors		Fe37 steel=1/stainless steel approx. 0.85/brass approx. 0.5/ Al. Approx. 0.45/ copper approx. 0.4		Fe37 steel=1/stainless steel approx. 0.85/brass approx. 0.5/ Al. Approx. 0.45/ copper approx. 0.4	
Mechanical Data					
Sensing surface material		PBT		PBT	
Protection		IP67		IP67	
Shock rating		Shock, half-sinus, 30gn, 11ms		Shock, half-sinus, 30gn, 11ms	
Vibration rating		55Hz, 1mm ampl., 3x30min.		55Hz, 1mm ampl., 3x30min.	
EMC		IEC 60947-5-2		IEC 60947-5-2	
Accessory		2 nuts		2 nuts	
Connection		2m PVC cable (Ø5.8 3x0.5mm ² /2x0.5mm ²)		Micro-style 3 Pin M12 1/2" connector	
Weight		Approx. 231g		Approx. 137g	

AC Capacitive Proximity Sensors

Features <ul style="list-style-type: none"> • Ø34mm diameter • 20-250VAC operating voltage • Sn=2...25mm, shielded • 2...35mm, non-shielded • PBT housing case • AC Output • NO, NC Function • Cable version • 3 Pin M12 Connector version • IP67 Protection 	<p>(Unit: mm)</p>	<p>(Unit: mm)</p>			
	2m Cable		3 Pin M12 Connector		
	Shielded	Non-shielded	Shielded	Non-shielded	
Connection					
Mounting					
Brass Case	AC-NO				
	AC-NC				
PBT Case	AC-NO	CN8NE34P25A	CN8NF34P35A	CN8NE34P25L	CN8NF34P35L
	AC-NC	CN8NE34Q25A	CN8NF34Q35A	CN8NE34Q25L	CN8NF34Q35L
General Data					
Housing size	Ø34mm		Ø34mm		
Installation type	Shielded	Non-shielded	Shielded	Non-shielded	
Sensing distance (Sn: mm)	2...25mm adjustable		2...35mm adjustable		2...35mm adjustable
Standard sensing object	Steel 75x75x1mm		Steel 105x105x1mm		Steel 105x105x1mm
Effective sensing distance (Sr: mm)	90 ... 110% of Sn		90 ... 110% of Sn		
Assured operating distance (Sa: mm)	0 ... 80% of Sn		0 ... 80% of Sn		
Hysteresis	<15%		<15%		
Housing material	PBT Resin/PBT		PBT Resin/PBT		
Operating voltage	20 ... 250VAC		20 ... 250VAC		
Electrical Data					
Rated operating voltage	110VAC		110VAC		
Repeated accuracy	±10%		±10%		
Surge current	5A(20ms)		5A(20ms)		
No load current	<2.5mA		<2.5mA		
Max. Load current	300mA		300mA		
Leakage current	<2.5mA		<2.5mA		
Voltage drop	<9VAC at 300mA		<9VAC at 300mA		
Switching frequency	<25Hz		<25Hz		
Response time	10ms/10ms		10ms/10ms		
Rated insulation voltage	250VAC		250VAC		
Operating temperature	-25°C ... +70°C		-25°C ... +70°C		
Storage temperature	-40°C ... +80°C		-40°C ... +80°C		
Temperature drift	<10%		<10%		
Power indicator	No		No		
Function indicator	Yellow LED		Yellow LED		
Reverse polarity protection	No		No		
Short-circuit protection	No		No		
Min. load current	5mA		5mA		
Correction factors	Fe37 steel=1/stainless steel approx. 0.85/brass approx. 0.5/ Al. Approx. 0.45/ copper approx. 0.4		Fe37 steel=1/stainless steel approx. 0.85/brass approx. 0.5/ Al. Approx. 0.45/ copper approx. 0.4		
Mechanical Data					
Sensing surface material	PBT		PBT		
Protection	IP67		IP67		
Shock rating	Shock, half-sinus, 30gn, 11ms		Shock, half-sinus, 30gn, 11ms		
Vibration rating	55Hz, 1mm ampl., 3x30min.		55Hz, 1mm ampl., 3x30min.		
EMC	IEC 60947-5-2		IEC 60947-5-2		
Accessory	Bracket and nuts		Bracket and nuts		
Connection	2m PVC cable (Ø5.8 2x0.5mm ²)		Micro-style 3 Pin M12 ½" connector		
Weight	Approx. 250g		Approx. 162g		