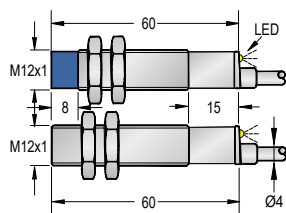
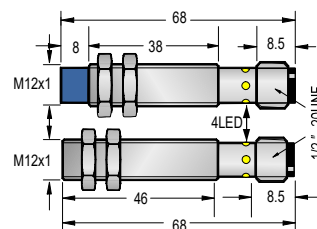


Features

- M12mm diameter
- Sn=2mm, shielded
4mm, non-shielded
- 20-250VAC operating voltage
- Brass housing case
PBT Resin housing case
- NO, NC Function
- Cable version
3 Pin M12 connector version
- IP67 Protection



(Unit: mm)



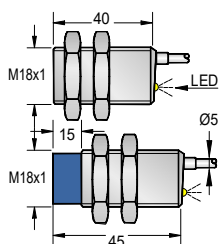
(Unit: mm)



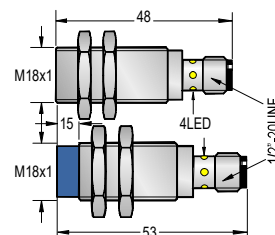
Connection		2m Cable		3 Pin M12 Connector	
Mounting		Shielded	Non-shielded	Shielded	Non-shielded
Brass Case	AC-NO	L8AE12P02A	L8AF12P04A	L8AE12P02L	L8AF12P04L
	AC-NC	L8AE12Q02A	L8AF12Q04A	L8AE12Q02L	L8AF12Q04L
PBT Case	AC-NO	L8ME12P02A	L8MF12P04A	L8ME12P02L	L8MF12P04L
	AC-NC	L8ME12Q02A	L8MF12Q04A	L8ME12Q02L	L8MF12Q04L
General Data					
Housing size		M12mm		M12mm	
Installation type		Shielded	Non-shielded	Shielded	Non-shielded
Sensing distance(Sn: mm)		2mm	4mm	2mm	4mm
Standard sensing object		Steel 12x12x1mm	Steel 12x12x1mm	Steel 12x12x1mm	Steel 12x12x1mm
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		<1.8mA		<1.8mA	
Max. Load current		400mA		400mA	
Leakage current		<1.8mA		<1.8mA	
Voltage drop		<8VAC at 400mA		<8VAC at 400mA	
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 (Ø4 3/2x0.34mm²)		Micro-style 3 Pin M12 connector(½" -20UNF)	
Weight		Approx. 77g		Approx. 32g	

Features

- M18mm diameter
- Sn=5mm, shielded
8mm, non-shielded
- 20-250VAC operating voltage
- Brass housing case
PBT Resin housing case
- NO, NC Function
- Cable version
3 Pin M12 connector version
- IP67 Protection



(Unit: mm)



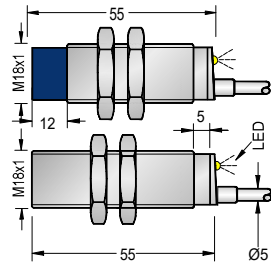
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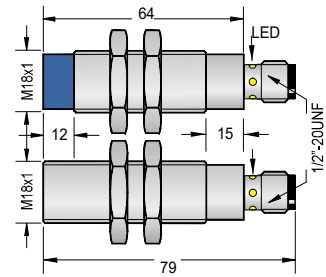
Connection		2m Cable		3 Pin M12 Connector	
Mounting		Shielded	Non-shielded	Shielded	Non-shielded
Brass Case	AC-NO	L8AC18P05A	L8AD18P08A	L8AC18P05L	L8AD18P08L
	AC-NC	L8AC18Q05A	L8AD18Q08A	L8AC18Q05L	L8AD18Q08L
PBT Case	AC-NO	L8MC18P05A	L8MD18P08A	L8MC18P05L	L8MD18P08L
	AC-NC	L8MC18Q05A	L8MD18Q08A	L8MC18Q05L	L8MD18Q08L
General Data					
Housing size		M18mm		M18mm	
Installation type		Shielded	Non-shielded	Shielded	Non-shielded
Sensing distance(Sn: mm)		5mm	8mm	5mm	8mm
Standard sensing object		Steel 18x18x1mm	Steel 18x18x1mm	Steel 18x18x1mm	Steel 18x18x1mm
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		<1.8mA		<1.8mA	
Max. Load current		400mA		400mA	
Leakage current		<1.8mA		<1.8mA	
Voltage drop		<8VAC at 400mA		<8VAC at 400mA	
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 3/2x0.34mm²)		Micro-style 3 Pin M12 connector(½" -20UNF)	
Weight		Approx. 155g		Approx. 62g	

Features

- M18mm diameter
- Sn=5mm, shielded
8mm, non-shielded
- 20-250VAC operating voltage
- Brass housing case
PBT Resin housing case
- NO, NC Function
- Cable version
3 Pin M12 connector version
- IP67 Protection



(Unit: mm)



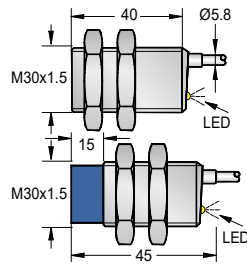
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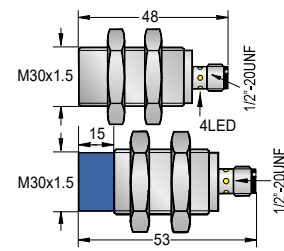
Connection		2m Cable		3 Pin M12 Connector	
Mounting		Shielded	Non-shielded	Shielded	Non-shielded
Brass Case	AC-NO	L8AE18P05A	L8AF18P08A	L8AE18P05L	L8AF18P08L
	AC-NC	L8AE18Q05A	L8AF18Q08A	L8AE18Q05L	L8AF18Q08L
PBT Case	AC-NO	L8ME18P05A	L8MF18P08A	L8ME18P05L	L8MF18P08L
	AC-NC	L8ME18Q05A	L8MF18Q08A	L8ME18Q05L	L8MF18Q08L
General Data					
Housing size		M18mm		M18mm	
Installation type		Shielded	Non-shielded	Shielded	Non-shielded
Sensing distance(Sn: mm)		5mm	8mm	5mm	8mm
Standard sensing object		Steel 18x18x1mm	Steel 18x18x1mm	Steel 18x18x1mm	Steel 18x18x1mm
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		<1.8mA		<1.8mA	
Max. Load current		400mA		400mA	
Leakage current		<1.8mA		<1.8mA	
Voltage drop		<8VAC at 400mA		<8VAC at 400mA	
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 3/2x0.34mm ²)		Micro-style 3 Pin M12 connector(½" -20UNF)	
Weight		Approx. 162g		Approx. 70g	

Features

- M30mm diameter
- Sn=10mm, shielded
15mm, non-shielded
- 20-250VAC operating voltage
- Brass housing case
PBT Resin housing case
- NO, NC Function
- Cable version
3 Pin M12 connector version
- IP67 Protection



(Unit: mm)



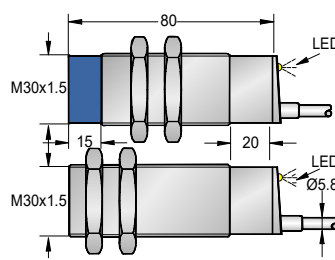
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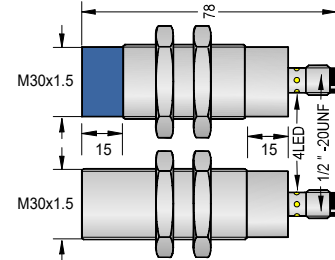
Connection		2m Cable		3 Pin M12 Connector	
Mounting		Shielded	Non-shielded	Shielded	Non-shielded
Brass Case	AC-NO	L8AC30P10A	L8AD30P15A	L8AC30P10L	L8AD30P15L
	AC-NC	L8AC30Q10A	L8AD30Q15A	L8AC30Q10L	L8AD30Q15L
PBT Case	AC-NO	L8MC30P10A	L8MD30P15A	L8MC30P10L	L8MD30P15L
	AC-NC	L8MC30Q10A	L8MD30Q15A	L8MC30Q10L	L8MD30Q15L
General Data					
Housing size		M30mm		M30mm	
Installation type		Shielded	Non-shielded	Shielded	Non-shielded
Sensing distance(Sn: mm)		10mm	15mm	10mm	15mm
Standard sensing object		Steel 30x30x1mm	Steel 45x45x1mm	Steel 30x30x1mm	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		<1.8mA		<1.8mA	
Max. Load current		400mA		400mA	
Leakage current		<1.8mA		<1.8mA	
Voltage drop		<8VAC at 400mA		<8VAC at 400mA	
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 3/2x0.5mm²)		Micro-style 3 Pin M12 connector(½" -20UNF)	
Weight		Approx. 208g		Approx. 117g	

Features

- M30mm diameter
- Sn=10mm, shielded
15mm, non-shielded
- 20-250VAC operating voltage
- Brass housing case
PBT Resin housing case
- NO, NC Function
- Cable version
3 Pin M12 connector version
- IP67 Protection



(Unit: mm)



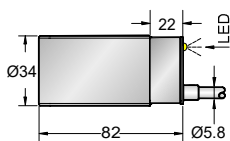
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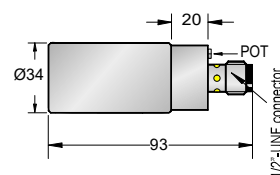
Connection		2m Cable		3 Pin M12 Connector	
Mounting		Shielded	Non-shielded	Shielded	Non-shielded
Brass Case	AC-NO	L8AE30P10A	L8AF30P15A	L8AE30P10L	L8AF30P15L
	AC-NC	L8AE30Q10A	L8AF30Q15A	L8AE30Q10L	L8AF30Q15L
PBT Case	AC-NO	L8ME30P10A	L8MF30P15A	L8ME30P10L	L8MF30P15L
	AC-NC	L8ME30Q10A	L8MF30Q15A	L8ME30Q10L	L8MF30Q15L
General Data					
Housing size		M30mm		M30mm	
Installation type		Shielded	Non-shielded	Shielded	Non-shielded
Sensing distance(Sn: mm)		10mm	15mm	10mm	15mm
Standard sensing object		Steel 30x30x1mm	Steel 45x45x1mm	Steel 30x30x1mm	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		<1.8mA		<1.8mA	
Max. Load current		400mA		400mA	
Leakage current		<1.8mA		<1.8mA	
Voltage drop		<8VAC at 400mA		<8VAC at 400mA	
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 3/2x0.5mm²)		Micro-style 3 Pin M12 connector(½" -20UNF)	
Weight		Approx. 248g		Approx. 147g	

Features

- Ø34mm diameter
- Sn=15mm, shielded
20mm, non-shielded
- 20-250VAC operating voltage
- PBT Resin housing case
- NO, NC Function
- Cable version
3 Pin M12 connector
- IP67 Protection



(Unit: mm)



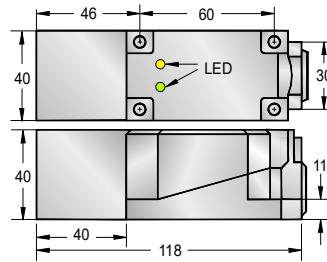
(Unit: mm)



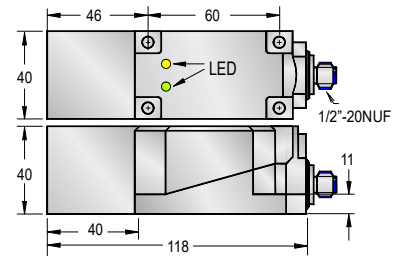
Connection		2m Cable		3 Pin M12 Connector	
Mounting		Shielded	Non-shielded	Shielded	Non-shielded
Brass Case	AC-NO				
	AC-NC				
PBT Case	AC-NO	L8NE34P15A	L8NF34P20A	L8NE34P15L	L8NF34P20L
	AC-NC	L8NE34Q15A	L8NF34Q20A	L8NE34Q15L	L8NF34Q20L
General Data					
Housing size		M30mm		M30mm	
Installation type		Shielded	Non-shielded	Shielded	Non-shielded
Sensing distance(Sn: mm)		15mm	20mm	15mm	20mm
Standard sensing object		Steel 45x45x1mm	Steel 60x60x1mm	Steel 45x45x1mm	Steel 60x60x1mm
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 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		<1.8mA		<1.8mA	
Max. Load current		400mA		400mA	
Leakage current		<1.8mA		<1.8mA	
Voltage drop		<8VAC at 400mA		<8VAC at 400mA	
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 2x0.5mm²)		Micro-style 3 Pin M12 connector(½" -20UNF)	
Weight		Approx. 250g		Approx. 162g	

Features

- Q40x40mm diameter
- Sn=15mm, shielded
20mm, non-shielded
- 20-250VAC operating voltage
- PBT Resin housing case
- NO, NC, NO/NC Function
- PG connector version
3 Pin M12 connector version
- IP67 Protection



(Unit: mm)



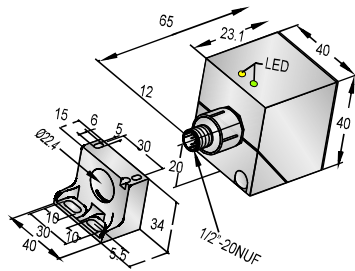
(Unit: mm)



Connection		Cable Terminal with PG Connector		3 Pin M12 Connector	
Mounting		Shielded	Non-shielded	Shielded	Non-shielded
PBT Case	AC-NO	L8EE40P15T	L8EF40P20T	L8EE40P15L	L8EF40P20L
	AC-NC	L8EE40Q15T	L8EF40Q20T	L8EE40Q15L	L8EF40Q20L
	AC-NO/NC	L8EE40R15T	L8EF40R20T		
General Data					
Housing size		Q40x40mm		Q40x40mm	
Installation type		Shielded	Non-shielded	Shielded	Non-shielded
Sensing distance(Sn: mm)		15mm	20mm	15mm	20mm
Standard sensing object		Steel 45x45x1mm	Steel 60x60x1mm	Steel 45x45x1mm	Steel 60x60x1mm
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 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		400mA		400mA	
Leakage current		<2.5mA		<2.5mA	
Voltage drop		<8VAC at 400mA		<8VAC at 400mA	
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		/		/	
Connection		Cable terminal with PG connector		Micro-style 3 Pin M12 connector(½" -20UNF)	
Weight		Approx. 250g		Approx. 260g	

Features

- Q40x40mm diameter
- Sn=15mm, shielded
20mm, non-shielded
- 20-250VAC operating voltage
- PBT Resin housing case
- NO, NC Function
- 3 Pin M12 connector version
- IP67 Protection



(Unit: mm)



Connection		3 Pin M12 Connector			
Mounting		Shielded	Non-shielded		
PBT Case	AC-NO	L8EC40P15L	L8ED40P20L		
	AC-NC	L8EC40Q15L	L8ED40Q20L		
	AC-NO/NC				
General Data					
Housing size		Q40x40mm			
Installation type		Shielded	Non-shielded		
Sensing distance(Sn: mm)		15mm	20mm		
Standard sensing object		Steel 45x45x1mm	Steel 60x60x1mm		
Effective sensing distance (Sr: mm)		90 ... 110% of Sn			
Assured operating distance(Sa: mm)		0 ... 80% of Sn			
Hysteresis		<15%			
Housing material		PBT Resin			
Operating voltage		20 ... 250VAC			
Electrical Data					
Rated operating voltage		110VAC			
Repeated accuracy		±10%			
Surge current		5A(20ms)			
No load current		<2.5mA			
Max. Load current		400mA			
Leakage current		<2.5mA			
Voltage drop		<8VAC at 400mA			
Switching frequency		25Hz			
Response time		10ms/10ms			
Rated insulation voltage		250VAC			
Operating temperature		-25°C ... +70°C			
Storage temperature		-40°C ... +80°C			
Temperature drift		<10%			
Power indicator		No			
Function indicator		Yellow LED			
Reverse polarity protection		No			
Short-circuit protection		No			
Min. load current		5mA			
Correction factors		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			
Protection		IP67			
Shock rating		Shock, half-sinus, 30gn, 11ms			
Vibration rating		55Hz, 1mm ampl., 3x30min.			
EMC		IEC 60947-5-2			
Accessory		/			
Connection		Micro-style 3 Pin M12 connector(½" -20UNF)			
Weight		Approx. 170g			