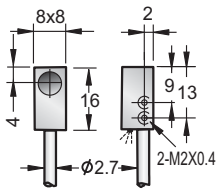
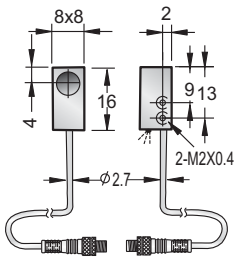
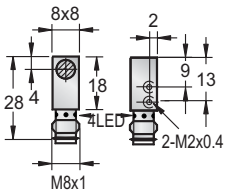
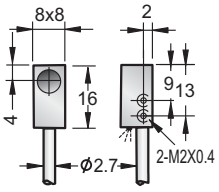
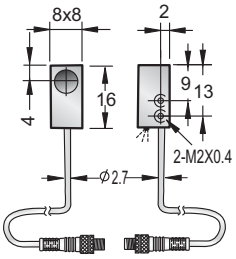
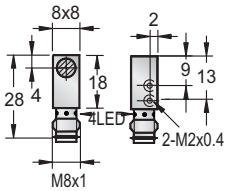
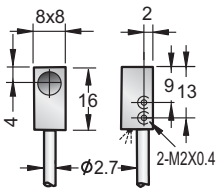
DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

Diameter	Q8		Q8	
● Shielded ○ Non-shielded	●		●	
Switching Distance Sn: mm	1mm		1mm	
Housing Material	Nickel plated brass		Nickel plated brass	
● With LED ○ Without LED	●		●	
Picture				
Operating Voltage	10-30VDC		10-30VDC	
Ripple	<10%		<10%	
No Load Current	<10mA		<10mA	
Max. Load Current	200mA		200mA	
Leakage Current	<0.01mA		<0.01mA	
Voltage Drop	<1.5V		<1.5V	
Switching Frequency	2KHZ		2KHZ	
Response Time	0.1ms/0.1ms		0.1ms/0.1ms	
Switching Hysteresis	<15%(Sr)		<15%(Sr)	
Repeat Accuracy	<1.0%(Sr)		<1.0%(Sr)	
Protection Category	IP67		IP67	
Operating Temperature	-25℃ - +70℃		-25℃ - +70℃	
Temperature Drift	<10%(Sr)		<10%(Sr)	
Short Circuit Protection	YES		YES	
Overload Trip Point	220mA		220mA	
Material Active Face	POM		POM	
DC 3 wire 10-30V NPN N.O.	**P1S1B8801NO3R2**	**1**	**P1S1B8801NOTR3**	**25**
DC 3 wire 10-30V NPN N.C.	**P1S1B8801NC3R2**	**2**	**P1S1B8801NCTR3**	**25**
DC 3 wire 10-30V PNP N.O.	**P1S1B8801PO3R2**	**3**	**P1S1B8801POTR3**	**26**
DC 3 wire 10-30V PNP N.C.	**P1S1B8801PC3R2**	**4**	**P1S1B8801PCTR3**	**26**
DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)				
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)				
DC 2 wire 10-60V N.O.				
DC 2 wire 10-60V N.C.				
DC 3 wire 10-55V NPN N.O.				
DC 3 wire 10-55V NPN N.C.				
DC 3 wire 10-55V PNP N.O.				
DC 3 wire 10-55V PNP N.C.				
DC 3 wire 5-36V NPN N.O.				
DC 3 wire 5-36V NPN N.C.				
DC 3 wire 5-36V PNP N.O.				
DC 3 wire 5-36V PNP N.C.				
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)				
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)				
Dimensions (unit: mm)				
Cable 2M (PVC)	2.7Ø 3x0.15		Cable 0.3m PUR with m8x1 connect	
Weight	Approx.16 g		Approx.15 g	

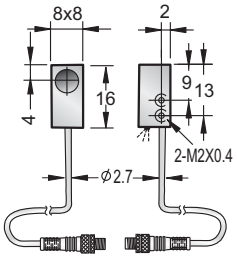
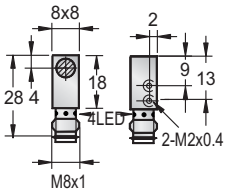
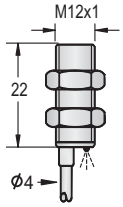
DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

Q8	Q8	Q8
●	●	●
1mm	2mm	2mm
Nickel plated brass	Nickel plated brass	Nickel plated brass
●	●	●
10-30VDC	10-30VDC	10-30VDC
<10%	<10%	<10%
<10mA	<10mA	<10mA
200mA	200mA	200mA
<0.01mA	<0.01mA	<0.01mA
<1.5V	<2.0V	<2.0V
2KHZ	2KHZ	2KHZ
0.1ms/0.1ms	0.1ms/0.1ms	0.1ms/0.1ms
<15%(Sr)	<15%(Sr)	<15%(Sr)
<1.0%(Sr)	<1.0%(Sr)	<1.0%(Sr)
IP67	IP67	IP67
-25℃ - +70℃	-25℃ - +70℃	-25℃ - +70℃
<10%(Sr)	<10%(Sr)	<10%(Sr)
YES	YES	YES
220mA	220mA	220mA
POM	POM	POM
P1S1B8801NOPR3 25	**P1S1B8802NO3R2** 1	**P1S1B8802NOTR3** 25
P1S1B8801NCPR3 25	**P1S1B8802NC3R2** 2	**P1S1B8802NCTR3** 25
P1S1B8801POPR3 26	**P1S1B8802PO3R2** 3	**P1S1B8802POTR3** 26
P1S1B8801PCPR3 26	**P1S1B8802PC3R2** 4	**P1S1B8802PCTR3** 26
		
Cable 0.3m PUR with m8x1 connect	2.7Φ 3x0.15	Cable 0.3m PUR with m8x1 connect
Approx.6.0 g	Approx.16 g	Approx.15 g

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

Diameter	Q8		Q8	
● Shielded ○ Non-shielded	●		●	
Switching Distance Sn: mm	2mm		3mm	
Housing Material	Nickel plated brass		Nickel plated brass	
● With LED ○ Without LED	●		●	
Picture				
Operating Voltage	10-30VDC		10-30VDC	
Ripple	<10%		<10%	
No Load Current	<10mA		<10mA	
Max. Load Current	200mA		200mA	
Leakage Current	<0.01mA		<0.01mA	
Voltage Drop	<2.0V		<2.0V	
Switching Frequency	2KHZ		1KHZ	
Response Time	0.1ms/0.1ms		0.2ms/0.2ms	
Switching Hysteresis	<15%(Sr)		<15%(Sr)	
Repeat Accuracy	<1.0%(Sr)		<1.0%(Sr)	
Protection Category	IP67		IP67	
Operating Temperature	-25℃ - +70℃		-25℃ - +70℃	
Temperature Drift	<10%(Sr)		<10%(Sr)	
Short Circuit Protection	YES		YES	
Overload Trip Point	220mA		220mA	
Material Active Face	POM		POM	
DC 3 wire 10-30V NPN N.O.	**P1S1B8802NOPR3**	**25**	**P1S1B8803NO3R2**	**1**
DC 3 wire 10-30V NPN N.C.	**P1S1B8802NCPR3**	**25**	**P1S1B8803NC3R2**	**2**
DC 3 wire 10-30V PNP N.O.	**P1S1B8802POPR3**	**26**	**P1S1B8803PO3R2**	**3**
DC 3 wire 10-30V PNP N.C.	**P1S1B8802PCPR3**	**26**	**P1S1B8803PC3R2**	**4**
DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)				
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)				
DC 2 wire 10-60V N.O.				
DC 2 wire 10-60V N.C.				
DC 3 wire 10-55V NPN N.O.				
DC 3 wire 10-55V NPN N.C.				
DC 3 wire 10-55V PNP N.O.				
DC 3 wire 10-55V PNP N.C.				
DC 3 wire 5-36V NPN N.O.				
DC 3 wire 5-36V NPN N.C.				
DC 3 wire 5-36V PNP N.O.				
DC 3 wire 5-36V PNP N.C.				
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)				
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)				
Dimensions (unit: mm)				
Cable 2M (PVC)	Cable 0.3m PUR with m8x1 connect		2.7Ø 3x0.15	
Weight	Approx.6.0 g		Approx.25 g	

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

Q8	Q8	M12
●	●	●
3mm	3mm	2mm
Nickel plated brass	Nickel plated brass	Nickel plated brass
●	●	●
10-30VDC	10-30VDC	10-30VDC
<10%	<10%	<10%
<10mA	<10mA	<10mA
200mA	200mA	200mA
<0.01mA	<0.01mA	<0.01mA
<2.0V	<2.0V	<2.0V
1KHZ	1KHZ	2KHZ
0.2ms/0.2ms	0.2ms/0.2ms	0.1ms/0.1ms
<15%(Sr)	<15%(Sr)	<15%(Sr)
<1.0%(Sr)	<1.0%(Sr)	<1.0%(Sr)
IP67	IP67	IP67
-25℃ - +70℃	-25℃ - +70℃	-25℃ - +70℃
<10%(Sr)	<10%(Sr)	<10%(Sr)
YES	YES	YES
220mA	220mA	220mA
POM	POM	POM
P1S1B8803NOTR3 25	**P1S1B8803NOPR3** 25	**P1C1B1202NO3R2** 1
P1S1B8803NCTR3 25	**P1S1B8803NCPR3** 25	**P1C1B1202NC3R2** 2
P1S1B8803POTR3 26	**P1S1B8803POPR3** 26	**P1C1B1202PO3R2** 3
P1S1B8803PCTR3 26	**P1S1B8803PCPR3** 26	**P1C1B1202PC3R2** 4
		
Cable 0.3m PUR with m8x1 connect	-	4Φ 3x0.15
Approx15 g	Approx.6.0 g	Approx.40 g