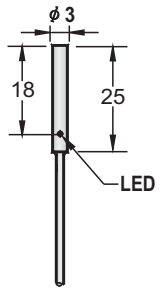
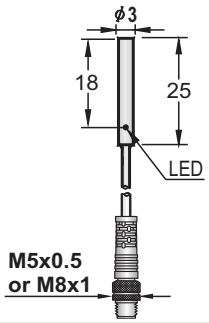
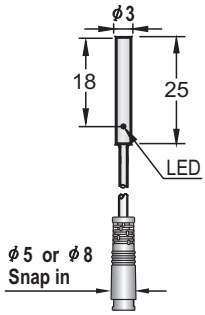
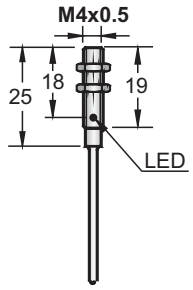
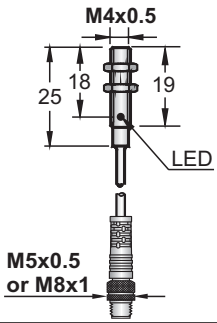
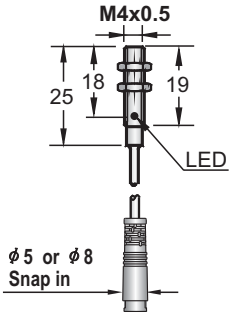
DC MINIATURE LONG SENSING DISTANCE PROXIMITY SWITCH

ϕ3	ϕ3	ϕ3
●	●	●
1.0 mm	1.0 mm	1.0 mm
stainless steel	stainless steel	stainless steel
●	●	●
		
10-30VDC	10-30VDC	10-30VDC
<10%	<10%	<10%
<10mA	<10mA	<10mA
200mA	200mA	200mA
<0.01mA	<0.01mA	<0.01mA
-	-	-
-	-	-
<1.5V	<1.5V	<2.0V
3KHZ	2KHZ	2KHZ
0.1ms/0.1ms	0.1ms/0.1ms	0.1ms/0.1ms
<15%(Sr)	<15%(Sr)	<15%(Sr)
<2.0%(Sr)	<2.0%(Sr)	<2.0%(Sr)
IP67	IP67	IP67
-25°C - +70 °C	-25°C - +70 °C	-25°C - +70 °C
<10%(Sr)	<10%(Sr)	<10%(Sr)
YES	YES	YES
220mA	220mA	220mA
<10ms	<10ms	<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	RFI>3V/m / EFT>1KV / ESD>4KV (contact)	RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
POM	POM	POM

LCU1-D0301N-A3S2	1	LCU1-D0301N-A3S0.2/P5	25	LCU1-D0301N-A3S0.2/P8	29	LCU1-D0301N-A3S0.2/SN5	25	LCU1-D0301N-A3S0.2/SN8	29
LCU1-D0301N-B3S2	2	LCU1-D0301N-B3S0.2/P5	26	LCU1-D0301N-B3S0.2/P8	30	LCU1-D0301N-B3S0.2/SN5	26	LCU1-D0301N-B3S0.2/SN8	30
LCU1-D0301P-A3S2	3	LCU1-D0301P-A3S0.2/P5	27	LCU1-D0301P-A3S0.2/P8	31	LCU1-D0301P-A3S0.2/SN5	27	LCU1-D0301P-A3S0.2/SN8	31
LCU1-D0301P-B3S2	4	LCU1-D0301P-B3S0.2/P5	28	LCU1-D0301P-B3S0.2/P8	32	LCU1-D0301P-B3S0.2/SN5	28	LCU1-D0301P-B3S0.2/SN8	32

	FCU***/P5 └─M5 Pigtail mode FCU***/P8 └─M8 Pigtail mode	FCU***/SN5 └─ϕ5 Pigtail mode FCU***/SN8 └─ϕ8 Pigtail mode
2.3ϕ3x0.15	2.3ϕ3x0.15	2.3ϕ3x0.15
Approx.22 g	Approx.22 g / Approx.23 g	Approx.22 g / Approx.23 g

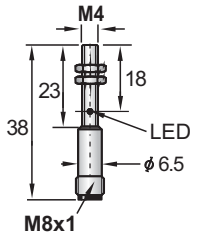
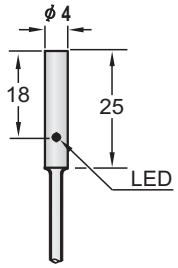
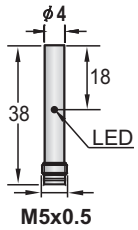
DC MINIATURE LONG SENSING DISTANCE PROXIMITY SWITCH

M4	M4	M4
●	●	●
1.0 mm	1.0 mm	1.0 mm
stainless steel	stainless steel	stainless steel
●	●	●
		
10-30VDC	10-30VDC	10-30VDC
<10%	<10%	<10%
<10mA	<10mA	<10mA
200mA	200mA	200mA
<0.01mA	<0.01mA	<0.01mA
-	-	-
-	-	-
<1.5V	<1.5V	<2.0V
2KHZ	2KHZ	2KHZ
0.1ms/0.1ms	0.1ms/0.1ms	0.1ms/0.1ms
<15%(Sr)	<15%(Sr)	<15%(Sr)
<2.0%(Sr)	<2.0%(Sr)	<2.0%(Sr)
IP67	IP67	IP67
-25°C - +70°C	-25°C - +70°C	-25°C - +70°C
<10%(Sr)	<10%(Sr)	<10%(Sr)
YES	YES	YES
220mA	220mA	220mA
<10ms	<10ms	<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	RFI>3V/m / EFT>1KV / ESD>4KV (contact)	RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
POM	POM	POM

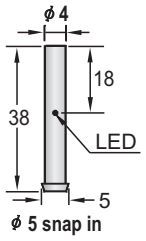
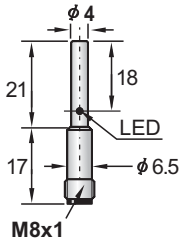
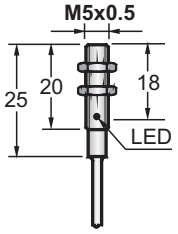
LCU1-0401N-A3S2	1	LCU1-0401N-A3S0.2/P5	25	LCU1-0401N-A3S0.2/P8	29	LCU1-0401N-A3S0.2/SN5	25	LCU1-0401N-A3S0.2/SN8	29
LCU1-0401N-B3S2	2	LCU1-0401N-B3S0.2/P5	26	LCU1-0401N-B3S0.2/P8	30	LCU1-0401N-B3S0.2/SN5	26	LCU1-0401N-B3S0.2/SN8	30
LCU1-0401P-A3S2	3	LCU1-0401P-A3S0.2/P5	27	LCU1-0401P-A3S0.2/P8	31	LCU1-0401P-A3S0.2/SN5	27	LCU1-0401P-A3S0.2/SN8	31
LCU1-0401P-B3S2	4	LCU1-0401P-B3S0.2/P5	28	LCU1-0401P-B3S0.2/P8	32	LCU1-0401P-B3S0.2/SN5	28	LCU1-0401P-B3S0.2/SN8	32

	FCU***/P5 └─M5 Pigtail mode FCU***/P8 └─M8 Pigtail mode	FCU***/SN5 └─ϕ5 Pigtail mode FCU***/SN8 └─ϕ8 Pigtail mode
2.3ϕ3x0.15	2.3ϕ3x0.15	2.3ϕ3x0.15
Approx.22 g	Approx.30 g	Approx.30 g / Approx.31 g

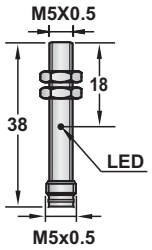
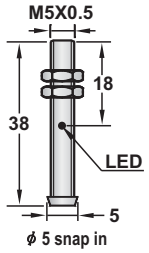
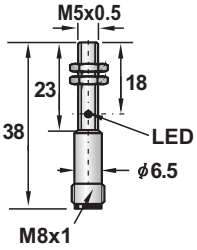
DC MINIATURE LONG SENSING DISTANCE PROXIMITY SWITCH

M4	ϕ4	ϕ4
●	●	●
1.0 mm	1.5 mm	1.5 mm
stainless steel	stainless steel	stainless steel
●	●	●
		
10-30VDC	10-30VDC	10-30VDC
<10%	<10%	<10%
<10mA	<10mA	<10mA
200mA	200mA	200mA
<0.01mA	<0.01mA	<0.01mA
-	-	-
-	-	-
<1.5V	<1.5V	<1.5V
2KHZ	2KHZ	2KHZ
0.1ms/0.1ms	0.1ms/0.1ms	0.1ms/0.1ms
<15%(Sr)	<15%(Sr)	<15%(Sr)
<2.0%(Sr)	<2.0%(Sr)	<2.0%(Sr)
IP67	IP67	IP67
-25°C - +70°C	-25°C - +70°C	-25°C - +70°C
<10%(Sr)	<10%(Sr)	<10%(Sr)
YES	YES	YES
220mA	220mA	220mA
<10ms	<10ms	<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	RFI>3V/m / EFT>1KV / ESD>4KV (contact)	RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
POM	POM	POM
LCU1-0401N-ACU3 29	LCU1-D041.5N-A3U2 1	LCU1-D041.5N-AMS4 33
LCU1-0401N-BCU3 29	LCU1-D041.5N-B3U2 2	LCU1-D041.5N-BMS4 34
LCU1-0401P-ACU3 30	LCU1-D041.5P-A3U2 3	LCU1-D041.5P-AMS4 35
LCU1-0401P-BCU3 30	LCU1-D041.5P-B3U2 4	LCU1-D041.5P-BMS4 36
	2.7 ϕ3x0.15	
Approx.22 g	Approx.22 g	Approx.18 g

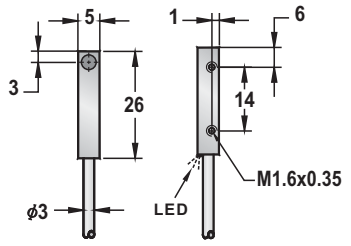
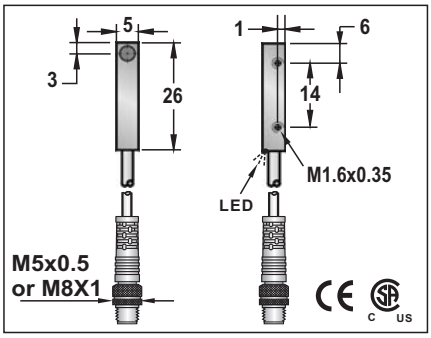
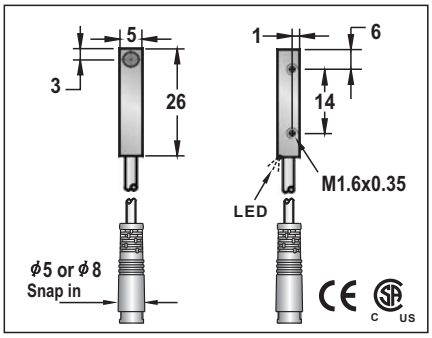
DC MINIATURE LONG SENSING DISTANCE PROXIMITY SWITCH

ϕ4	ϕ4	M5
●	●	●
1.5 mm	1.5 mm	1.5 mm
stainless steel	stainless steel	stainless steel
●	●	●
		
10-30VDC	10-30VDC	10-30VDC
<10%	<10%	<10%
<10mA	<10mA	<10mA
200mA	200mA	200mA
<0.01mA	<0.01mA	<0.01mA
-	-	-
-	-	-
<2.0V	<1.5V	<1.5V
2KHZ	2KHZ	2KHZ
0.1ms/0.1ms	0.1ms/0.1ms	0.1ms/0.1ms
<15%(Sr)	<15%(Sr)	<15%(Sr)
<2.0%(Sr)	<2.0%(Sr)	<2.0%(Sr)
IP67	IP67	IP67
-25°C - +70°C	-25°C - +70°C	-25°C - +70°C
<10%(Sr)	<10%(Sr)	<10%(Sr)
YES	YES	YES
220mA	220mA	220mA
<10ms	<10ms	<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	RFI>3V/m / EFT>1KV / ESD>4KV (contact)	RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
POM	POM	POM
LCU1-D041.5N-AMS4/SN 25	LCU1-D041.5N-ACU3 29	LCU1-051.5N-A3U2 1
LCU1-D041.5N-BMS4/SN 26	LCU1-D041.5N-BCU3 29	LCU1-051.5N-B3U2 2
LCU1-D041.5P-AMS4/SN 27	LCU1-D041.5P-ACU3 30	LCU1-051.5P-A3U2 3
LCU1-D041.5P-BMS4/SN 28	LCU1-D041.5P-BCU3 30	LCU1-051.5P-B3U2 4
ϕ5 Miniature snap in connector		
		2.7 ϕ3x0.15
Approx.18 g	Approx.22 g	Approx.22 g

DC MINIATURE LONG SENSING DISTANCE PROXIMITY SWITCH

M5	M5	M5
●	●	●
1.5 mm	1.5 mm	1.5 mm
stainless steel	stainless steel	stainless steel
●	●	●
		
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	<1.5V
2KHZ	2KHZ	2KHZ
0.1ms/0.1ms	0.1ms/0.1ms	0.1ms/0.1ms
<15%(Sr)	<15%(Sr)	<15%(Sr)
<2.0%(Sr)	<2.0%(Sr)	<2.0%(Sr)
IP67	IP67	IP67
-25°C - +70 °C	-25°C - +70 °C	-25°C - +70 °C
<10%(Sr)	<10%(Sr)	<10%(Sr)
YES	YES	YES
220mA	220mA	220mA
<10ms	<10ms	<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	RFI>3V/m / EFT>1KV / ESD>4KV (contact)	RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
POM	POM	POM
LCU1-051.5N-AMU4 25	LCU1-051.5N-AMU4/SN 25	LCU1-051.5N-ACU3 29
LCU1-051.5N-BMU4 26	LCU1-051.5N-BMU4/SN 26	LCU1-051.5N-BCU3 29
LCU1-051.5P-AMU4 27	LCU1-051.5P-AMU4/SN 27	LCU1-051.5P-ACU3 30
LCU1-051.5P-BMU4 28	LCU1-051.5P-BMU4/SN 28	LCU1-051.5P-BCU3 30
	ϕ5 Miniature snap in connector	
Approx.18 g	Approx.18 g	Approx.20 g

DC MINIATURE LONG SENSING DISTANCE PROXIMITY SWITCH

Q5x5x26	Q5x5x26	Q5x5x26
●	●	●
1.5 mm	1.5 mm	1.5 mm
die-cast	die-cast	die-cast
●	●	●
		
10-30VDC	10-30VDC	10-30VDC
<10%	<10%	<10%
<10mA	<10mA	<10mA
200mA	200mA	200mA
<0.01mA	<0.01mA	<0.01mA
-	-	-
-	-	-
<1.5V	<1.5V	<1.5V
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°C - +70°C	-25°C - +70°C	-25°C - +70°C
<10%(Sr)	<10%(Sr)	<10%(Sr)
YES	YES	YES
220mA	220mA	220mA
<10ms	<10ms	<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	RFI>3V/m / EFT>1KV / ESD>4KV (contact)	RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
POM	POM	POM

LQM1-551.5N-A3U2T	1	LQM1-551.5N-A3U0.2T/P5	25	LQM1-551.5N-A3U0.2T/P8	29	LQM1-551.5N-A3U0.2T/SN5	25	LQM1-551.5N-A3U0.2T/SN8	29
LQM1-551.5N-B3U2T	2	LQM1-551.5N-B3U0.2T/P5	26	LQM1-551.5N-B3U0.2T/P8	30	LQM1-551.5N-B3U0.2T/SN5	26	LQM1-551.5N-B3U0.2T/SN8	30
LQM1-551.5P-A3U2T	3	LQM1-551.5P-A3U0.2T/P5	27	LQM1-551.5P-A3U0.2T/P8	31	LQM1-551.5P-A3U0.2T/SN5	27	LQM1-551.5P-A3U0.2T/SN8	31
LQM1-551.5P-B3U2T	4	LQM1-551.5P-B3U0.2T/P5	28	LQM1-551.5P-B3U0.2T/P8	32	LQM1-551.5P-B3U0.2T/SN5	28	LQM1-551.5P-B3U0.2T/SN8	32
LQM1-551.5NUT	21	LQM1-551.5NUT/P5	21	LQM1-551.5NUT/P8	21	LQM1-551.5NUT/SN5	21	LQM1-551.5NUT/SN8	21

NAMUR type specifications see page 23	FQM***/P5 — M5 Pigtail mode FQM***/P8 — M8 Pigtail mode	FQM***/SN5 — ϕ5 Pigtail mode FQM***/SN8 — ϕ8 Pigtail mode
3.0ϕ3X0.15	3.0ϕ3X0.15	3.0ϕ3X0.15
Approx.30 g	Approx.30 g / Approx.31 g	Approx.30 g / Approx.31 g

Note:
Coming Soon : Part numbers with underline