

PART N-01 ~ N-27

Diameter

● Shielded ○ non-Shielded

Switching Distance Sn mm

Housing Material

● With LED ○ Without LED

Dimensions (unit: mm)

Operating Voltage

Ripple

No Load Current

Max. Load Current

Leakge Current

Surge Current

Min. Load Current

Voltage Drop

Switching Frequency

Response Time

Switching Hysteresis

Repeat Accuracy

Protection Category

Operating Temperature

Temperature Drift

Short Circuit Protection

Overload Trip Point

Time Delay Before Availability

EMC

Shock / Vibration

Material Active Face

DC 3 wire 10-30V NPN N.O.

DC 3 wire 10-30V NPN N.C.

DC 3 wire 10-30V PNP N.O.

DC 3 wire 10-30V PNP N.C.

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. or NAMUR

DC 3 wire 10-55v NPN N.C.

DC 3 wire 10-55v PNP N.O.

DC 3 wire 10-55v PNP N.C.

Remark

Cable 2M (PUR)

Weight

Please put each catalog page in the blank. The specification on the left will help your reading.

METAL FACE INDUCTIVE PROXIMITY SWITCH

● Description

SCAN metal face inductive proximity sensors is total stainless steel housing from solid stainless steel stock...no two piece welds, no ultra thin foils...no short cuts. this provides a higher level of protection for more reliable operation and longer life in harsh environments.

The sensors stand up to abrasion and impact caused by flying metal chips, grit, and misaligned or vibrating targets. in addition, the stainless steel body resists corrosion and chemical attack.

In addition to standard all-metal sensing models, the series is available in ferrous and non-ferrous selective versions to detect only a specific type of metal. ferrous only models will detect only ferrous metals such as steel, iron, nickel or cobalt. non-ferrous only models will detect only metals that do not have ferrous content such as aluminum, brass or copper.

A typical application for ferrous only sensors would be in workcell applications where cutting tools, tool pallets and fixtures must be detected for proper workpiece manipulation. the sensors detect ferrous objects while ignoring aluminum. non-ferrous only sensors would be used to detect the presence or absence of aluminum components such as engine, transmission and aircraft forgings, without sensing the ferrous fixtures holding them.

These sensors are available in a standard 12mm, 18mm, 30mm diameter, and are epoxy filled for shock/vibration resistance and heat tolerance.

Robust electrical design

- AC/DC 2-wire or DC 2, 3, 4-wire
- Short circuit protection
- Overload protection
- Reverse polarity protection
- Radio frequency protection
- Transient noise protection
- False pulse protection
- Epoxy potted for protection against mechanical shock and vibration

Output connect mode

- PVC cable 2m
- Euro QD, Mini QD for DC type
- Micro QD, Mini QD for AC type



LED output indicator

Stainless steel face

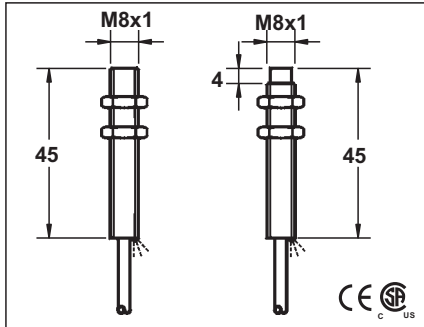
- Superior strength of impact and abrasion resistant stainless steel
- Superior chemical and cutting fluid resistance
- leakproof
- Sensing face is 20 mil thick

Stainless steel barrel

- Superior strength of impact and abrasion resistant stainless steel
- Superior chemical and cutting fluid resistance
- leakproof
- 12mm, 18mm and 30mm diameters to fit what you need

DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 8	
●	○
1 mm	2 mm
Stainless steel	
●	

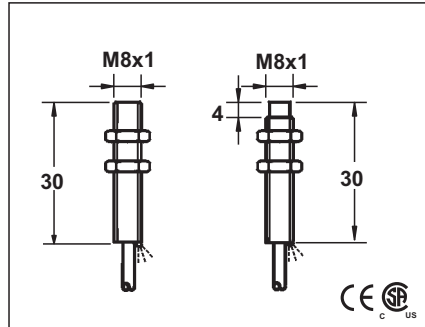


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
500HZ	
0.1ms/0.1ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-0801N-A3U2	1	FCS2-0802N-A3U2
FCS1-0801N-B3U2	2	FCS2-0802N-B3U2
FCS1-0801P-A3U2	3	FCS2-0802P-A3U2
FCS1-0801P-B3U2	4	FCS2-0802P-B3U2
FCS1-0801P-S4U2	6	FCS2-0802P-S4U2
FCS1-0801N-S4U2	5	FCS2-0802N-S4U2
FCS1-0801C-A2U2	7	FCS2-0802C-A2U2
FCS1-0801C-B2U2	8	FCS2-0802C-B2U2
HCS1-0801N-A3U2	1	HCS2-0802N-A3U2
HCS1-0801N-B3U2	2	HCS2-0802N-B3U2
HCS1-0801P-A3U2	3	HCS2-0802P-A3U2
HCS1-0801P-B3U2	4	HCS2-0802P-B3U2

3 φ 3x0.15	
Approx.33 g	Approx.32 g

M 8	
●	○
1 mm	2 mm
Stainless steel	
●	

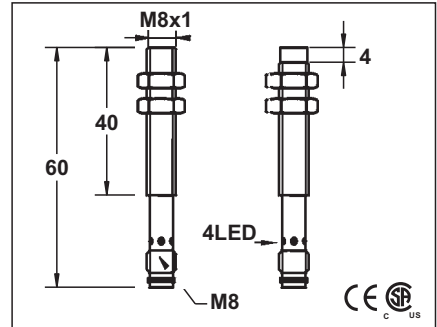


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
500HZ	
0.1ms/0.1ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-0801N-A3S2	1	FCS2-0802N-A3S2
FCS1-0801N-B3S2	2	FCS2-0802N-B3S2
FCS1-0801P-A3S2	3	FCS2-0802P-A3S2
FCS1-0801P-B3S2	4	FCS2-0802P-B3S2
FCS1-0801P-S4S2	6	FCS2-0802P-S4S2
FCS1-0801N-S4S2	5	FCS2-0802N-S4S2
FCS1-0801C-A2S2	7	FCS2-0802C-A2S2
FCS1-0801C-B2S2	8	FCS2-0802C-B2S2
HCS1-0801N-A3S2	1	HCS2-0802N-A3S2
HCS1-0801N-B3S2	2	HCS2-0802N-B3S2
HCS1-0801P-A3S2	3	HCS2-0802P-A3S2
HCS1-0801P-B3S2	4	HCS2-0802P-B3S2

3 φ 3x0.15	
Approx.33 g	Approx.32 g

M 8	
●	○
1 mm	2 mm
Stainless steel	
●	



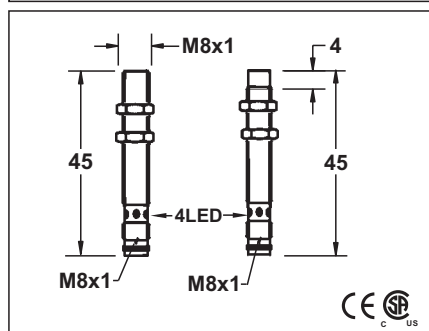
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
500HZ	
0.1ms/0.1ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-0801N-ACU3	25	FCS2-0802N-ACU3
FCS1-0801N-BCU3	25	FCS2-0802N-BCU3
FCS1-0801P-ACU3	26	FCS2-0802P-ACU3
FCS1-0801P-BCU3	26	FCS2-0802P-BCU3
FCS1-0801P-SCU4	28	FCS2-0802P-SCU4
FCS1-0801N-SCU4	27	FCS2-0802N-SCU4
FCS1-0801C-ACU3	35	FCS2-0802C-ACU3
FCS1-0801C-BCU3	73	FCS2-0802C-BCU3
HCS1-0801N-ACU3	25	HCS2-0802N-ACU3
HCS1-0801N-BCU3	25	HCS2-0802N-BCU3
HCS1-0801P-ACU3	26	HCS2-0802P-ACU3
HCS1-0801P-BCU3	26	HCS2-0802P-BCU3

3 φ 3x0.15	
Approx.18 g	Approx.17 g

DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 8	
●	○
1 mm	2 mm
Stainless steel	
●	

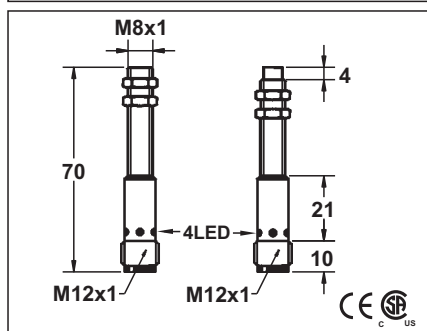


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
500HZ	
0.1ms/0.1ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-0801N-ACS3	25	FCS2-0802N-ACS3
FCS1-0801N-BCS3	25	FCS2-0802N-BCS3
FCS1-0801P-ACS3	26	FCS2-0802P-ACS3
FCS1-0801P-BCS3	26	FCS2-0802P-BCS3
FCS1-0801P-SCS4	28	FCS2-0802P-SCS4
FCS1-0801N-SCS4	27	FCS2-0802N-SCS4
FCS1-0801C-ACS3	35	FCS2-0802C-ACS3
FCS1-0801C-BCS3	73	FCS2-0802C-BCS3
HCS1-0801N-ACS3	25	HCS2-0802N-ACS3
HCS1-0801N-BCS3	25	HCS2-0802N-BCS3
HCS1-0801P-ACS3	26	HCS2-0802P-ACS3
HCS1-0801P-BCS3	26	HCS2-0802P-BCS3

3 φ 3x0.15	
Approx.33 g	Approx.32 g

M 8	
●	○
1 mm	2 mm
Stainless steel	
●	

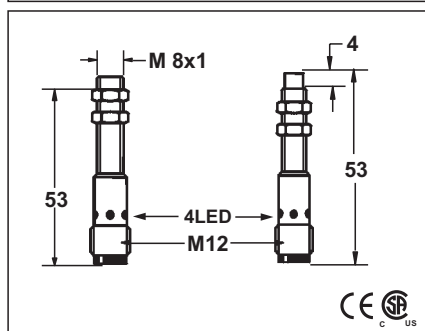


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
500HZ	
0.1ms/0.1ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-0801N-ARU4	29	FCS2-0802N-ARU4
FCS1-0801N-BRU4	30	FCS2-0802N-BRU4
FCS1-0801P-ARU4	31	FCS2-0802P-ARU4
FCS1-0801P-BRU4	32	FCS2-0802P-BRU4
FCS1-0801P-SRU4	34	FCS2-0802P-SRU4
FCS1-0801N-SRU4	33	FCS2-0802N-SRU4
FCS1-0801C-ARU4	36	FCS2-0802C-ARU4
FCS1-0801C-BRU4	74	FCS2-0802C-BRU4
HCS1-0801N-ARU4	29	HCS2-0802N-ARU4
HCS1-0801N-BRU4	30	HCS2-0802N-BRU4
HCS1-0801P-ARU4	31	HCS2-0802P-ARU4
HCS1-0801P-BRU4	32	HCS2-0802P-BRU4

3 φ 3x0.15	
Approx.33 g	Approx.32 g

M 8	
●	○
1 mm	2 mm
Stainless steel	
●	



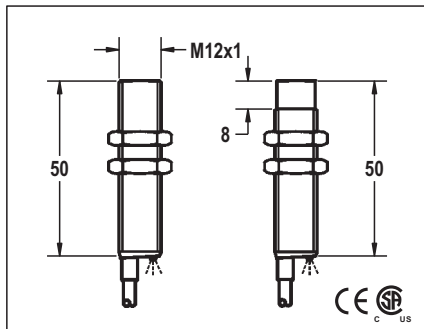
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<0.01mA	
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<1.5V	
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0.1ms/0.1ms	
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<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
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220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-0801N-ARS4	29	FCS2-0802N-ARS4
FCS1-0801N-BRS4	30	FCS2-0802N-BRS4
FCS1-0801P-ARS4	31	FCS2-0802P-ARS4
FCS1-0801P-BRS4	32	FCS2-0802P-BRS4
FCS1-0801P-SRS4	34	FCS2-0802P-SRS4
FCS1-0801N-SRS4	33	FCS2-0802N-SRS4
FCS1-0801C-ARS4	36	FCS2-0802C-ARS4
FCS1-0801C-BRS4	74	FCS2-0802C-BRS4
HCS1-0801N-ARS4	29	HCS2-0802N-ARS4
HCS1-0801N-BRS4	30	HCS2-0802N-BRS4
HCS1-0801P-ARS4	31	HCS2-0802P-ARS4
HCS1-0801P-BRS4	32	HCS2-0802P-BRS4

3 φ 3x0.15	
Approx.18 g	Approx.17 g

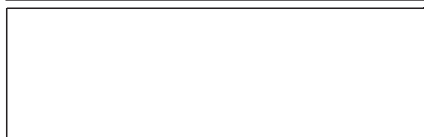
DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 12	
●	○
2 mm	4 mm
stainless steel	
●	



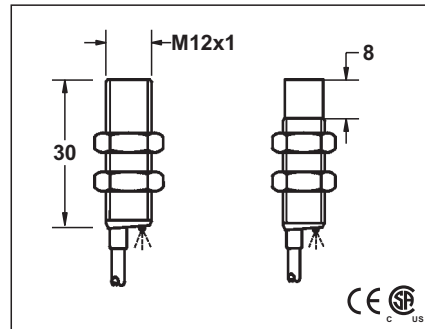
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-1202N-A3U2	1	FCS2-1204N-A3U2
FCS1-1202N-B3U2	2	FCS2-1204N-B3U2
FCS1-1202P-A3U2	3	FCS2-1204P-A3U2
FCS1-1202P-B3U2	4	FCS2-1204P-B3U2
FCS1-1202P-S4U2	6	FCS2-1204P-S4U2
FCS1-1202N-S4U2	5	FCS2-1204N-S4U2
FCS1-1202C-A2U2	7	FCS2-1204C-A2U2
FCS1-1202C-B2U2	8	FCS2-1204C-B2U2
HCS1-1202N-A3U2	1	HCS2-1204N-A3U2
HCS1-1202N-B3U2	2	HCS2-1204N-B3U2
HCS1-1202P-A3U2	3	HCS2-1204P-A3U2
HCS1-1202P-B3U2	4	HCS2-1204P-B3U2



4 ∅3x0.15	
approx.67 g	approx.65 g

M 12	
●	○
2 mm	4 mm
stainless steel	
●	



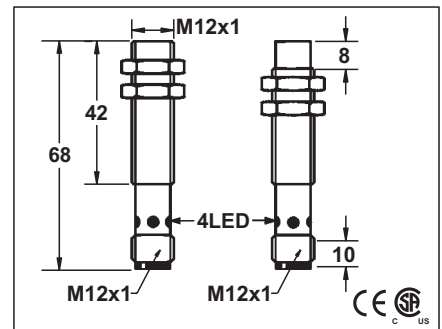
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-1202N-A3S2	1	FCS2-1204N-A3S2
FCS1-1202N-B3S2	2	FCS2-1204N-B3S2
FCS1-1202P-A3S2	3	FCS2-1204P-A3S2
FCS1-1202P-B3S2	4	FCS2-1204P-B3S2
FCS1-1202P-S4S2	6	FCS2-1204P-S4S2
FCS1-1202N-S4S2	5	FCS2-1204N-S4S2
FCS1-1202C-A2S2	7	FCS2-1204C-A2S2
FCS1-1202C-B2S2	8	FCS2-1204C-B2S2
HCS1-1202N-A3S2	1	HCS2-1204N-A3S2
HCS1-1202N-B3S2	2	HCS2-1204N-B3S2
HCS1-1202P-A3S2	3	HCS2-1204P-A3S2
HCS1-1202P-B3S2	4	HCS2-1204P-B3S2



4 ∅3x0.15	
approx.31 g	approx.30 g

M 12	
●	○
2 mm	4 mm
stainless steel	
●	



10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
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RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

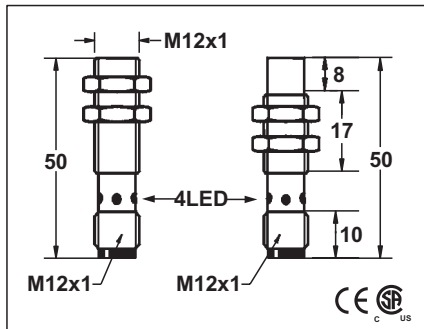
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FCS1-1202N-BRU4	30	FCS2-1204N-BRU4
FCS1-1202P-ARU4	31	FCS2-1204P-ARU4
FCS1-1202P-BRU4	32	FCS2-1204P-BRU4
FCS1-1202P-SRU4	34	FCS2-1204P-SRU4
FCS1-1202N-SRU4	33	FCS2-1204N-SRU4
FCS1-1202C-ARU4	36	FCS2-1204C-ARU4
FCS1-1202C-BRU4	74	FCS2-1204C-BRU4
HCS1-1202N-ARU4	29	HCS2-1204N-ARU4
HCS1-1202N-BRU4	30	HCS2-1204N-BRU4
HCS1-1202P-ARU4	31	HCS2-1204P-ARU4
HCS1-1202P-BRU4	32	HCS2-1204P-BRU4



5.0 ∅44x0.1	
approx.153 g	approx.144 g

DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 12	
●	○
2 mm	4 mm
stainless steel	

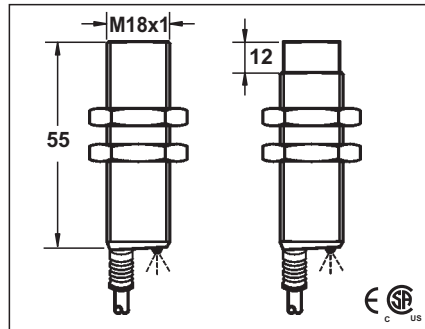


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-1202N-ARS4	29	FCS2-1204N-ARS4
FCS1-1202N-BRS4	30	FCS2-1204N-BRS4
FCS1-1202P-ARS4	31	FCS2-1204P-ARS4
FCS1-1202P-BRS4	32	FCS2-1204P-BRS4
FCS1-1202P-SRS4	34	FCS2-1204P-SRS4
FCS1-1202N-SRS4	33	FCS2-1204N-SRS4
FCS1-1202C-ARS4	36	FCS2-1204C-ARS4
FCS1-1202C-BRS4	74	FCS2-1204C-BRS4
HCS1-1202N-ARS4	29	HCS2-1204N-ARS4
HCS1-1202N-BRS4	30	HCS2-1204N-BRS4
HCS1-1202P-ARS4	31	HCS2-1204P-ARS4
HCS1-1202P-BRS4	32	HCS2-1204P-BRS4

Approx.40 g	Approx.38 g
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M 18	
●	○
5 mm	8 mm
stainless steel	

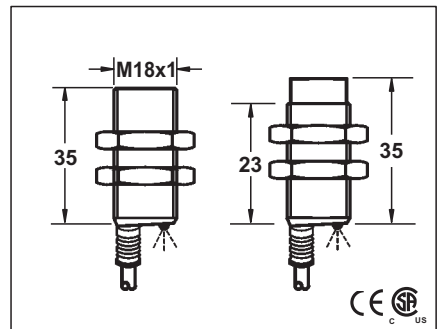


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-1805N-A3U2	1	FCS2-1808N-A3U2
FCS1-1805N-B3U2	2	FCS2-1808N-B3U2
FCS1-1805P-A3U2	3	FCS2-1808P-A3U2
FCS1-1805P-B3U2	4	FCS2-1808P-B3U2
FCS1-1805P-S4U2	6	FCS2-1808P-S4U2
FCS1-1805N-S4U2	5	FCS2-1808N-S4U2
FCS1-1805C-A2U2	7	FCS2-1808C-A2U2
FCS1-1805C-B2U2	8	FCS2-1808C-B2U2
HCS1-1805N-A3U2	1	HCS2-1808N-A3U2
HCS1-1805N-B3U2	2	HCS2-1808N-B3U2
HCS1-1805P-A3U2	3	HCS2-1808P-A3U2
HCS1-1805P-B3U2	4	HCS2-1808P-B3U2

4 ∅ 3x0.15	
Approx.153 g	Approx.144 g

M 18	
●	○
5 mm	8 mm
stainless steel	



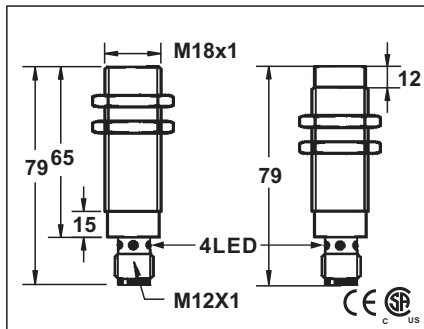
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-1805N-A3S2	1	FCS2-1808N-A3S2
FCS1-1805N-B3S2	2	FCS2-1808N-B3S2
FCS1-1805P-A3S2	3	FCS2-1808P-A3S2
FCS1-1805P-B3S2	4	FCS2-1808P-B3S2
FCS1-1805P-S4S2	6	FCS2-1808P-S4S2
FCS1-1805N-S4S2	5	FCS2-1808N-S4S2
FCS1-1805C-A2S2	7	FCS2-1808C-A2S2
FCS1-1805C-B2S2	8	FCS2-1808C-B2S2
HCS1-1805N-A3S2	1	HCS2-1808N-A3S2
HCS1-1805N-B3S2	2	HCS2-1808N-B3S2
HCS1-1805P-A3S2	3	HCS2-1808P-A3S2
HCS1-1805P-B3S2	4	HCS2-1808P-B3S2

4 ∅ 3x0.15	
Approx.110 g	Approx.92 g

DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 18	
●	○
5 mm	8 mm
stainless steel	
●	

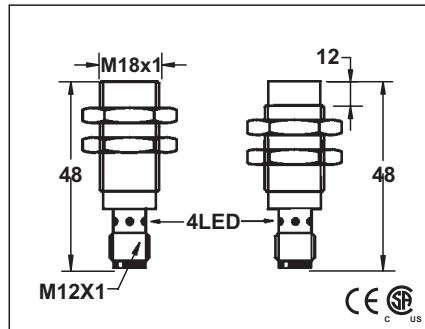


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500KHZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-1805N-ARU4	29	FCS2-1808N-ARU4
FCS1-1805N-BRU4	30	FCS2-1808N-BRU4
FCS1-1805P-ARU4	31	FCS2-1808P-ARU4
FCS1-1805P-BRU4	32	FCS2-1808P-BRU4
FCS1-1805P-SRU4	34	FCS2-1808P-SRU4
FCS1-1805N-SRU4	33	FCS2-1808N-SRU4
FCS1-1805C-ARU4	36	FCS2-1808C-ARU4
FCS1-1805C-BRU4	74	FCS2-1808C-BRU4
HCS1-1805N-ARU4	29	HCS2-1808N-ARU4
HCS1-1805N-BRU4	30	HCS2-1808N-BRU4
HCS1-1805P-ARU4	31	HCS2-1808P-ARU4
HCS1-1805P-BRU4	32	HCS2-1808P-BRU4

Approx.94 g		Approx.91 g	
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M 18	
●	○
5 mm	8 mm
stainless steel	
●	

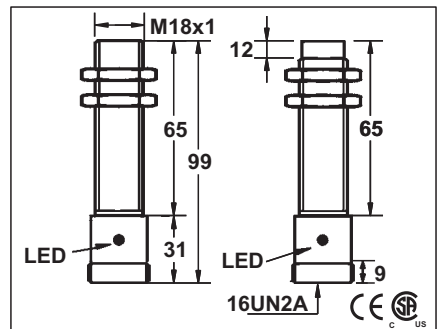


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500KHZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-1805N-ARS4	29	FCS2-1808N-ARS4
FCS1-1805N-BRS4	30	FCS2-1808N-BRS4
FCS1-1805P-ARS4	31	FCS2-1808P-ARS4
FCS1-1805P-BRS4	32	FCS2-1808P-BRS4
FCS1-1805P-SRS4	34	FCS2-1808P-SRS4
FCS1-1805N-SRS4	33	FCS2-1808N-SRS4
FCS1-1805C-ARS4	36	FCS2-1808C-ARU4
FCS1-1805C-BRS4	74	FCS2-1808C-BRS4
HCS1-1805N-ARS4	29	HCS2-1808N-ARS4
HCS1-1805N-BRS4	30	HCS2-1808N-BRS4
HCS1-1805P-ARS4	31	HCS2-1808P-ARS4
HCS1-1805P-BRS4	32	HCS2-1808P-BRS4

Approx.74 g		Approx.70 g	
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M 18	
●	○
5 mm	8 mm
stainless steel	
●	



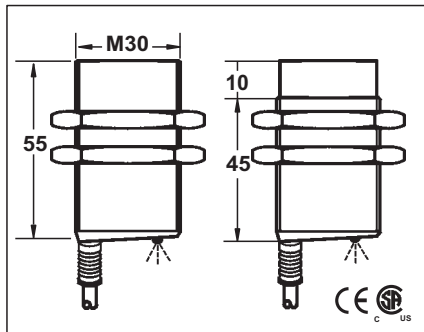
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500KHZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-1805N-AZU4	37	FCS2-1808N-AZU4
FCS1-1805N-BZU4	38	FCS2-1808N-BZU4
FCS1-1805P-AZU4	39	FCS2-1808P-AZU4
FCS1-1805P-BZU4	40	FCS2-1808P-BZU4
FCS1-1805P-SZU4	42	FCS2-1808P-SZU4
FCS1-1805N-SZU4	41	FCS2-1808N-SZU4
FCS1-1805C-AZU4	43	FCS2-1808C-AZU4
FCS1-1805C-BZU4	43	FCS2-1808C-BZU4
HCS1-1805N-AZU4	37	HCS2-1808N-AZU4
HCS1-1805N-BZU4	38	HCS2-1808N-BZU4
HCS1-1805P-AZU4	39	HCS2-1808P-AZU4
HCS1-1805P-BZU4	40	HCS2-1808P-BZU4

Approx.94 g		Approx.91 g	
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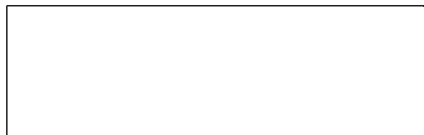
DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 30	
●	○
10 mm	15 mm
stainless steel	
●	



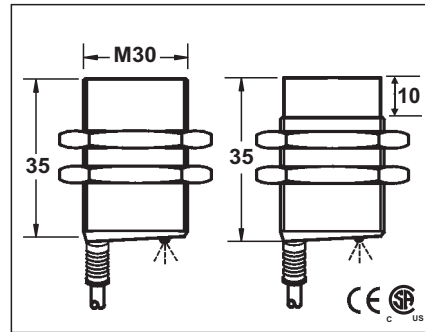
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-3010N-A3U2	1	FCS2-3015N-A3U2
FCS1-3010N-B3U2	2	FCS2-3015N-B3U2
FCS1-3010P-A3U2	3	FCS2-3015P-A3U2
FCS1-3010P-B3U2	4	FCS2-3015P-B3U2
FCS1-3010P-S4U2	6	FCS2-3015P-S4U2
FCS1-3010N-S4U2	5	FCS2-3015N-S4U2
FCS1-3010C-A2U2	7	FCS2-3015C-A2U2
FCS1-3010C-B2U2	8	FCS2-3015C-B2U2
HCS1-3010N-A3U2	1	HCS2-3015N-A3U2
HCS1-3010N-B3U2	2	HCS2-3015N-B3U2
HCS1-3010P-A3U2	3	HCS2-3015P-A3U2
HCS1-3010P-B3U2	4	HCS2-3015P-B3U2



5.8 ϕ 3x0.5	
Approx.217 g	Approx.207 g

M 30	
●	○
10 mm	15 mm
stainless steel	
●	



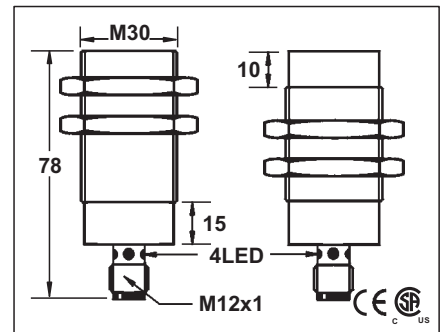
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-3010N-A3S2	1	FCS2-3015N-A3S2
FCS1-3010N-B3S2	2	FCS2-3015N-B3S2
FCS1-3010P-A3S2	3	FCS2-3015P-A3S2
FCS1-3010P-B3S2	4	FCS2-3015P-B3S2
FCS1-3010P-S4S2	6	FCS2-3015P-S4S2
FCS1-3010N-S4S2	5	FCS2-3015N-S4S2
FCS1-3010C-A2S2	7	FCS2-3015C-A2S2
FCS1-3010C-B2S2	8	FCS2-3015C-B2S2
HCS1-3010N-A3S2	1	HCS2-3015N-A3S2
HCS1-3010N-B3S2	2	HCS2-3015N-B3S2
HCS1-3010P-A3S2	3	HCS2-3015P-A3S2
HCS1-3010P-B3S2	4	HCS2-3015P-B3S2



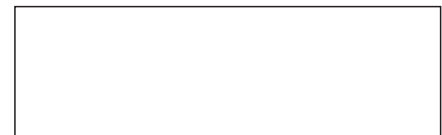
5.8 ϕ 3x0.5	
Approx.146 g	Approx.138 g

M 30	
●	○
10 mm	15 mm
stainless steel	
●	



10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

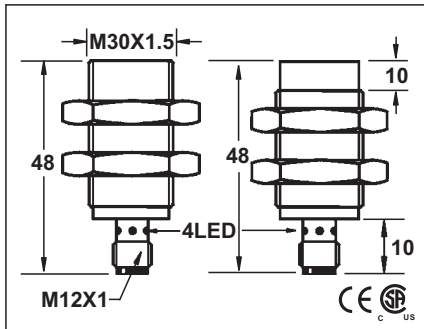
FCS1-3010N-ARU4	29	FCS2-3015N-ARU4
FCS1-3010N-BRU4	30	FCS2-3015N-BRU4
FCS1-3010P-ARU4	31	FCS2-3015P-ARU4
FCS1-3010P-BRU4	32	FCS2-3015P-BRU4
FCS1-3010P-SRU4	34	FCS2-3015P-SRU4
FCS1-3010N-SRU4	33	FCS2-3015N-SRU4
FCS1-3010C-ARU4	36	FCS2-3015C-ARU4
FCS1-3010C-BRU4	74	FCS2-3015C-BRU4
HCS1-3010N-ARU4	29	HCS2-3015N-ARU4
HCS1-3010N-BRU4	30	HCS2-3015N-BRU4
HCS1-3010P-ARU4	31	HCS2-3015P-ARU4
HCS1-3010P-BRU4	32	HCS2-3015P-BRU4



5.8 ϕ 3x0.5	
Approx.187 g	Approx.179 g

DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 30	
●	○
10 mm	15 mm
Stainless steel	
●	

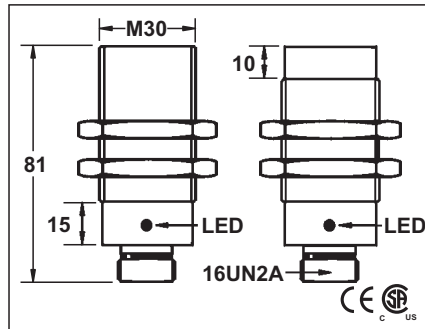


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-3010N-ARS4	29	FCS2-3015N-ARS4
FCS1-3010N-BRS4	30	FCS2-3015N-BRS4
FCS1-3010P-ARS4	31	FCS2-3015P-ARS4
FCS1-3010P-BRS4	32	FCS2-3015P-BRS4
FCS1-3010P-SRS4	34	FCS2-3015P-SRS4
FCS1-3010N-SRS4	33	FCS2-3015N-SRS4
FCS1-3010C-ARS4	36	FCS2-3015C-ARU4
FCS1-3010C-BRS4	74	FCS2-3015C-BRS4
HCS1-3010N-ARS4	29	HCS2-3015N-ARS4
HCS1-3010N-BRS4	30	HCS2-3015N-BRS4
HCS1-3010P-ARS4	31	HCS2-3015P-ARS4
HCS1-3010P-BRS4	32	HCS2-3015P-BRS4

Approx.200 g	Approx.200 g
--------------	--------------

M 30	
●	○
10 mm	15 mm
Stainless steel	
●	



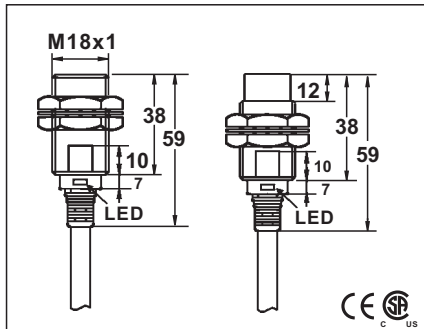
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-3010N-AZU4	37	FCS2-3015N-AZU4
FCS1-3010N-BZU4	38	FCS2-3015N-BZU4
FCS1-3010P-AZU4	39	FCS2-3015P-AZU4
FCS1-3010P-BZU4	40	FCS2-3015P-BZU4
FCS1-3010P-SZU4	42	FCS2-3015P-SZU4
FCS1-3010N-SZU4	41	FCS2-3015N-SZU4
FCS1-3010C-AZU4	43	FCS2-3015C-AZU4
FCS1-3010C-BZU4	43	FCS2-3015C-BZU4
HCS1-3010N-AZU4	37	HCS2-3015N-AZU4
HCS1-3010N-BZU4	38	HCS2-3015N-BZU4
HCS1-3010P-AZU4	39	HCS2-3015P-AZU4
HCS1-3010P-BZU4	40	HCS2-3015P-BZU4

Approx.179 g	Approx.187 g
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DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 18	
●	○
5 mm	8 mm
Stainless steel	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160	

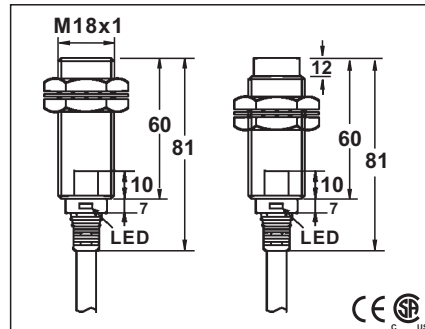
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2

Stainless steel			
FCS1-1805N-A3S2-W	1	FCS2-1808N-A3S2-W	1
FCS1-1805N-B3S2-W	2	FCS2-1808N-B3S2-W	2
FCS1-1805P-A3S2-W	3	FCS2-1808P-A3S2-W	3
FCS1-1805P-B3S2-W	4	FCS2-1808P-B3S2-W	4
FCS1-1805P-S4S2-W	6	FCS2-1808P-S4S2-W	6
FCS1-1805N-S4S2-W	5	FCS2-1808N-S4S2-W	5
FCS1-1805C-A2S2-W	7	FCS2-1808C-A2S2-W	7
FCS1-1805C-B2S2-W	8	FCS2-1808C-B2S2-W	8
HCS1-1805N-A3S2-W	1	HCS2-1808N-A3S2-W	1
HCS1-1805N-B3S2-W	2	HCS2-1808N-B3S2-W	2
HCS1-1805P-A3S2-W	3	HCS2-1808P-A3S2-W	3
HCS1-1805P-B3S2-W	4	HCS2-1808P-B3S2-W	4



5.0 φ44x0.1	
Approx.132 g	Approx.134 g

M18	
●	○
5 mm	8 mm
Stainless steel	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160	

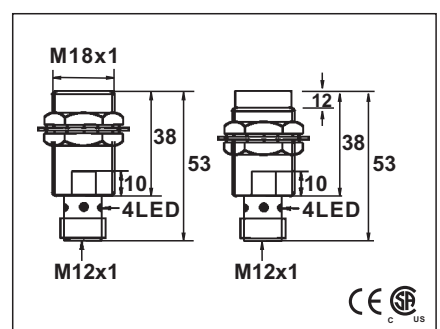
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2

Stainless steel			
FCS1-1805N-A3U2-W	1	FCS2-1808N-A3U2-W	1
FCS1-1805N-B3U2-W	2	FCS2-1808N-B3U2-W	2
FCS1-1805P-A3U2-W	3	FCS2-1808P-A3U2-W	3
FCS1-1805P-B3U2-W	4	FCS2-1808P-B3U2-W	4
FCS1-1805P-S4U2-W	6	FCS2-1808P-S4U2-W	6
FCS1-1805N-S4U2-W	5	FCS2-1808N-S4U2-W	5
FCS1-1805C-A2U2-W	7	FCS2-1808C-A2U2-W	7
FCS1-1805C-B2U2-W	8	FCS2-1808C-B2U2-W	8
HCS1-1805N-A3U2-W	1	HCS2-1808N-A3U2-W	1
HCS1-1805N-B3U2-W	2	HCS2-1808N-B3U2-W	2
HCS1-1805P-A3U2-W	3	HCS2-1808P-A3U2-W	3
HCS1-1805P-B3U2-W	4	HCS2-1808P-B3U2-W	4



5.0 φ44x0.1	
Approx.153 g	Approx.144 g

M 18	
●	○
5 mm	8 mm
Stainless steel	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160	

RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2

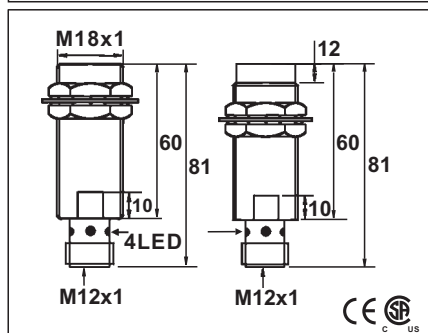
Stainless steel			
FCS1-1805N-ARS4-W	29	FCS2-1808N-ARS4-W	29
FCS1-1805N-BRS4-W	30	FCS2-1808N-BRS4-W	30
FCS1-1805P-ARS4-W	31	FCS2-1808P-ARS4-W	31
FCS1-1805P-BRS4-W	32	FCS2-1808P-BRS4-W	32
FCS1-1805P-SRS4-W	34	FCS2-1808P-SRS4-W	34
FCS1-1805N-SRS4-W	33	FCS2-1808N-SRS4-W	33
FCS1-1805C-ARS4-W	36	FCS2-1808C-ARS4-W	36
FCS1-1805C-BRS4-W	74	FCS2-1808C-BRS4-W	74
HCS1-1805N-ARS4-W	29	HCS2-1808N-ARS4-W	29
HCS1-1805N-BRS4-W	30	HCS2-1808N-BRS4-W	30
HCS1-1805P-ARS4-W	31	HCS2-1808P-ARS4-W	31
HCS1-1805P-BRS4-W	32	HCS2-1808P-BRS4-W	32



5.0 φ44x0.1	
Approx.50 g	Approx.50 g

DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 18	
●	○
5 mm	8 mm
Stainless steel	
●	

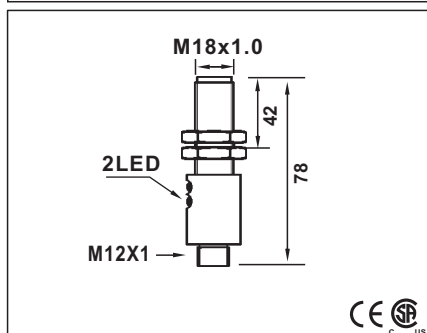


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-1805N-ARU4-W	29	FCS2-1808N-ARU4-W	
FCS1-1805N-BRU4-W	30	FCS2-1808N-BRU4-W	
FCS1-1805P-ARU4-W	31	FCS2-1808P-ARU4-W	
FCS1-1805P-BRU4-W	32	FCS2-1808P-BRU4-W	
FCS1-1805P-SRU4-W	34	FCS2-1808P-SRU4-W	
FCS1-1805N-SRU4-W	33	FCS2-1808N-SRU4-W	
FCS1-1805C-ARU4-W	36	FCS2-1808C-ARU4-W	
FCS1-1805C-BRU4-W	74	FCS2-1808C-BRU4-W	
HCS1-1805N-ARU4-W	29	HCS2-1808N-ARU4-W	
HCS1-1805N-BRU4-W	30	HCS2-1808N-BRU4-W	
HCS1-1805P-ARU4-W	31	HCS2-1808P-ARU4-W	
HCS1-1805P-BRU4-W	32	HCS2-1808P-BRU4-W	

Approx.94 g	Approx.91 g
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M 18	
●	
5 mm	
Stainless steel	
●	

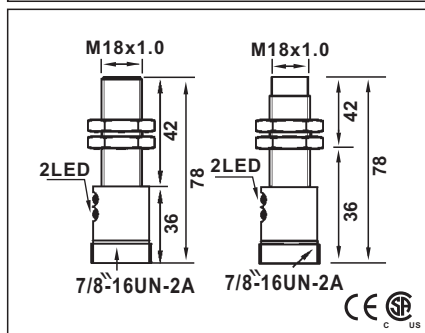


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	
0.2ms/0.2ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-1805N-ARU4/2-W	29
FCS1-1805N-BRU4/2-W	30
FCS1-1805P-ARU4/2-W	31
FCS1-1805P-BRU4/2-W	32
FCS1-1805P-SRU4/2-W	34
FCS1-1805N-SRU4/2-W	33
FCS1-1805C-ARU4/2-W	36
FCS1-1805C-BRU4/2-W	74
HCS1-1805N-ARU4/2-W	29
HCS1-1805N-BRU4/2-W	30
HCS1-1805P-ARU4/2-W	31
HCS1-1805P-BRU4/2-W	32

Approx.94 g	
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M 18	
●	○
5 mm	8 mm
Stainless steel	
●	



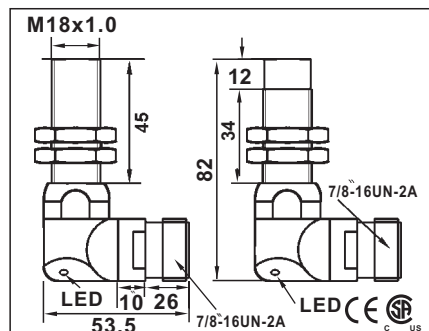
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1kHz	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-1805N-AZU4/2-W	37	FCS2-1808N-AZU4/2-W	
FCS1-1805N-BZU4/2-W	38	FCS2-1808N-BZU4/2-W	
FCS1-1805P-AZU4/2-W	39	FCS2-1808P-AZU4/2-W	
FCS1-1805P-BZU4/2-W	40	FCS2-1808P-BZU4/2-W	
FCS1-1805P-SZU4/2-W	42	FCS2-1808P-SZU4/2-W	
FCS1-1805N-SZU4/2-W	41	FCS2-1808N-SZU4/2-W	
FCS1-1805C-AZU4/2-W	43	FCS2-1808C-AZU4/2-W	
FCS1-1805C-BZU4/2-W	43	FCS2-1808C-BZU4/2-W	
HCS1-1805N-AZU4/2-W	37	HCS2-1808N-AZU4/2-W	
HCS1-1805N-BZU4/2-W	38	HCS2-1808N-BZU4/2-W	
HCS1-1805P-AZU4/2-W	39	HCS2-1808P-AZU4/2-W	
HCS1-1805P-BZU4/2-W	40	HCS2-1808P-BZU4/2-W	

Approx.94 g	Approx.91 g
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DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 18	
●	○
5 mm	8 mm
Stainless steel	
●	

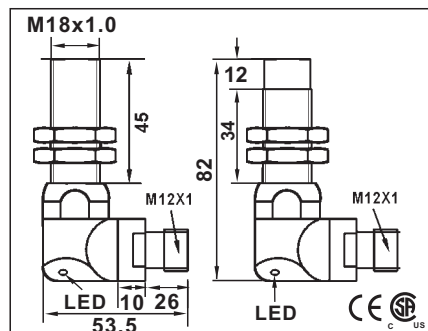


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-1805N-AZU4Y-W	37	FCS2-1808N-AZU4Y-W	
FCS1-1805N-BZU4Y-W	38	FCS2-1808N-BZU4Y-W	
FCS1-1805P-AZU4Y-W	39	FCS2-1808P-AZU4Y-W	
FCS1-1805P-BZU4Y-W	40	FCS2-1808P-BZU4Y-W	
FCS1-1805P-SZU4Y-W	42	FCS2-1808P-SZU4Y-W	
FCS1-1805N-SZU4Y-W	41	FCS2-1808N-SZU4Y-W	
FCS1-1805C-AZU4Y-W	43	FCS2-1808C-AZU4Y-W	
FCS1-1805C-BZU4Y-W	43	FCS2-1808C-BZU4Y-W	
HCS1-1805N-AZU4Y-W	37	HCS2-1808N-AZU4Y-W	
HCS1-1805N-BZU4Y-W	38	HCS2-1808N-BZU4Y-W	
HCS1-1805P-AZU4Y-W	39	HCS2-1808P-AZU4Y-W	
HCS1-1805P-BZU4Y-W	40	HCS2-1808P-BZU4Y-W	

Approx.251 g		Approx.283 g	
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M18	
●	○
5 mm	8 mm
Stainless steel	
●	

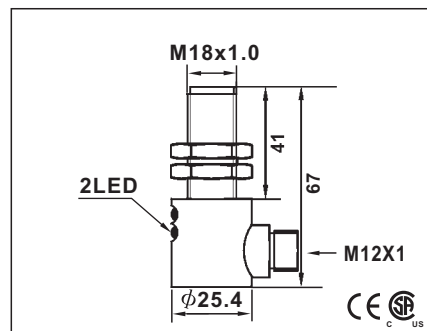


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-1805N-ARU4Y-W	29	FCS2-1808N-ARU4Y-W	
FCS1-1805N-BRU4Y-W	30	FCS2-1808N-BRU4Y-W	
FCS1-1805P-ARU4Y-W	31	FCS2-1808P-ARU4Y-W	
FCS1-1805P-BRU4Y-W	32	FCS2-1808P-BRU4Y-W	
FCS1-1805P-SRU4Y-W	34	FCS2-1808P-SRU4Y-W	
FCS1-1805N-SRU4Y-W	33	FCS2-1808N-SRU4Y-W	
FCS1-1805C-ARU4Y-W	36	FCS2-1808C-ARU4Y-W	
FCS1-1805C-BRU4Y-W	74	FCS2-1808C-BRU4Y-W	
HCS1-1805N-ARU4Y-W	29	HCS2-1808N-ARU4Y-W	
HCS1-1805N-BRU4Y-W	30	HCS2-1808N-BRU4Y-W	
HCS1-1805P-ARU4Y-W	31	HCS2-1808P-ARU4Y-W	
HCS1-1805P-BRU4Y-W	32	HCS2-1808P-BRU4Y-W	

Approx.251 g		Approx.283 g	
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M 18	
●	○
5 mm	8 mm
Stainless steel	
●	



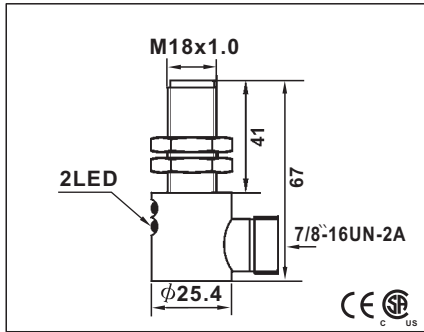
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	
0.2ms/0.2ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-1805N-ARU4Y/2-W	29
FCS1-1805N-BRU4Y/2-W	30
FCS1-1805P-ARU4Y/2-W	31
FCS1-1805P-BRU4Y/2-W	32
FCS1-1805P-SRU4Y/2-W	34
FCS1-1805N-SRU4Y/2-W	33
FCS1-1805C-ARU4Y/2-W	36
FCS1-1805C-BRU4Y/2-W	74
HCS1-1805N-ARU4Y/2-W	29
HCS1-1805N-BRU4Y/2-W	30
HCS1-1805P-ARU4Y/2-W	31
HCS1-1805P-BRU4Y/2-W	32

Approx.94 g	
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DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 18
●
5 mm
Stainless steel
●



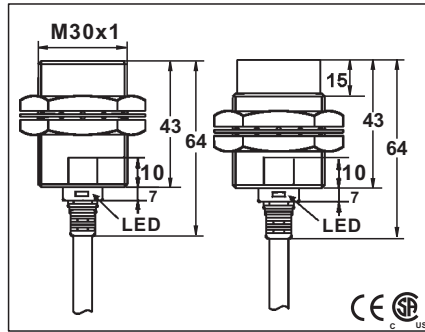
10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
1KHZ
0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
160MT
RFI>10V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-1805N-AZU4Y/2-W	37
FCS1-1805N-BZU4Y/2-W	38
FCS1-1805P-AZU4Y/2-W	39
FCS1-1805P-BZU4Y/2-W	40
FCS1-1805P-SZU4Y/2-W	42
FCS1-1805N-SZU4Y/2-W	41
FCS1-1805C-AZU4Y/2-W	43
FCS1-1805C-BZU4Y/2-W	43
HCS1-1805N-AZU4Y/2-W	37
HCS1-1805N-BZU4Y/2-W	38
HCS1-1805P-AZU4Y/2-W	39
HCS1-1805P-BZU4Y/2-W	40



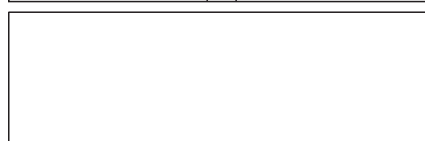
Approx.98 g

M 30	
●	○
10 mm	15 mm
Stainless steel	
●	



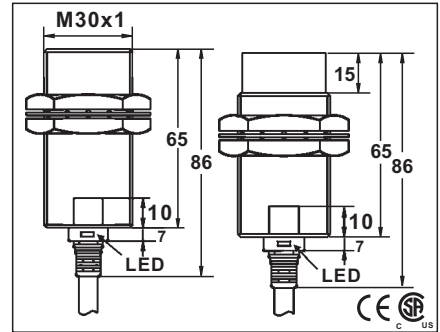
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	150HZ
0.5ms/0.5ms	1.0ms/1.0ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-3010N-A3S2-W	1	FCS2-3015N-A3S2-W
FCS1-3010N-B3S2-W	2	FCS2-3015N-B3S2-W
FCS1-3010P-A3S2-W	3	FCS2-3015P-A3S2-W
FCS1-3010P-B3S2-W	4	FCS2-3015P-B3S2-W
FCS1-3010P-S4S2-W	6	FCS2-3015P-S4S2-W
FCS1-3010N-S4S2-W	5	FCS2-3015N-S4S2-W
FCS1-3010C-A2S2-W	7	FCS2-3015C-A2S2-W
FCS1-3010C-B2S2-W	8	FCS2-3015C-B2S2-W
HCS1-3010N-A3S2-W	1	HCS2-3015N-A3S2-W
HCS1-3010N-B3S2-W	2	HCS2-3015N-B3S2-W
HCS1-3010P-A3S2-W	3	HCS2-3015P-A3S2-W
HCS1-3010P-B3S2-W	4	HCS2-3015P-B3S2-W



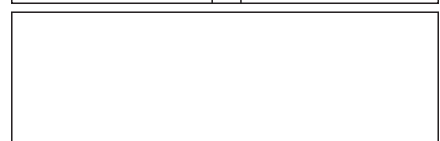
5.8φ 3x0.5	
Approx.217 g	Approx.207 g

M 30	
●	○
10 mm	15 mm
Stainless steel	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	150HZ
0.5ms/0.5ms	1.0ms/1.0ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

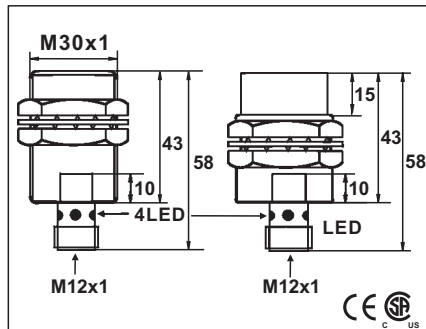
FCS1-3010N-A3U2-W	1	FCS2-3015N-A3U2-W
FCS1-3010N-B3U2-W	2	FCS2-3015N-B3U2-W
FCS1-3010P-A3U2-W	3	FCS2-3015P-A3U2-W
FCS1-3010P-B3U2-W	4	FCS2-3015P-B3U2-W
FCS1-3010P-S4U2-W	6	FCS2-3015P-S4U2-W
FCS1-3010N-S4U2-W	5	FCS2-3015N-S4U2-W
FCS1-3010C-A2U2-W	7	FCS2-3015C-A2U2-W
FCS1-3010C-B2U2-W	8	FCS2-3015C-B2U2-W
HCS1-3010N-A3U2-W	1	HCS2-3015N-A3U2-W
HCS1-3010N-B3U2-W	2	HCS2-3015N-B3U2-W
HCS1-3010P-A3U2-W	3	HCS2-3015P-A3U2-W
HCS1-3010P-B3U2-W	4	HCS2-3015P-B3U2-W



5.8φ 3x0.5	
Approx.227 g	Approx.217 g

DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 30	
●	○
10 mm	15 mm
Stainless steel	
●	

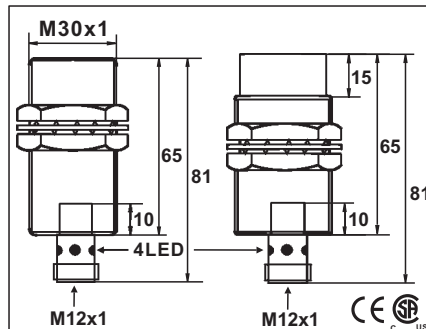


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-3010N-ARS4-W	29	FCS2-3015N-ARS4-W
FCS1-3010N-BRS4-W	30	FCS2-3015N-BRS4-W
FCS1-3010P-ARS4-W	31	FCS2-3015P-ARS4-W
FCS1-3010P-BRS4-W	32	FCS2-3015P-BRS4-W
FCS1-3010P-SRS4-W	34	FCS2-3015P-SRS4-W
FCS1-3010N-SRS4-W	33	FCS2-3015N-SRS4-W
FCS1-3010C-ARS4-W	36	FCS2-3015C-ARS4-W
FCS1-3010C-BRS4-W	74	FCS2-3015C-BRS4-W
HCS1-3010N-ARS4-W	29	HCS2-3015N-ARS4-W
HCS1-3010N-BRS4-W	30	HCS2-3015N-BRS4-W
HCS1-3010P-ARS4-W	31	HCS2-3015P-ARS4-W
HCS1-3010P-BRS4-W	32	HCS2-3015P-BRS4-W

Approx.111 g	Approx.121 g
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M 30	
●	○
10 mm	15 mm
Stainless steel	
●	

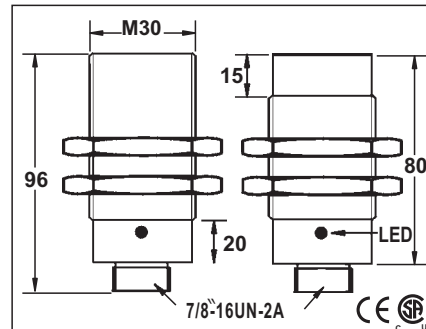


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-3010N-ARU4-W	29	FCS2-3015N-ARU4-W
FCS1-3010N-BRU4-W	30	FCS2-3015N-BRU4-W
FCS1-3010P-ARU4-W	31	FCS2-3015P-ARU4-W
FCS1-3010P-BRU4-W	32	FCS2-3015P-BRU4-W
FCS1-3010P-SRU4-W	34	FCS2-3015P-SRU4-W
FCS1-3010N-SRU4-W	33	FCS2-3015N-SRU4-W
FCS1-3010C-ARU4-W	36	FCS2-3015C-ARU4-W
FCS1-3010C-BRU4-W	74	FCS2-3015C-BRU4-W
HCS1-3010N-ARU4-W	29	HCS2-3015N-ARU4-W
HCS1-3010N-BRU4-W	30	HCS2-3015N-BRU4-W
HCS1-3010P-ARU4-W	31	HCS2-3015P-ARU4-W
HCS1-3010P-BRU4-W	32	HCS2-3015P-BRU4-W

Approx.187 g	Approx.179 g
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M 30	
●	○
10 mm	15 mm
Stainless steel	
●	



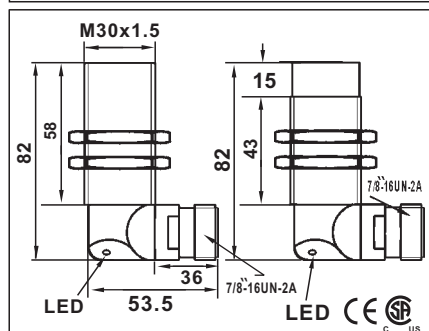
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-3010N-AZU4-W	37	FCS2-3015N-AZU4-W
FCS1-3010N-BZU4-W	38	FCS2-3015N-BZU4-W
FCS1-3010P-AZU4-W	39	FCS2-3015P-AZU4-W
FCS1-3010P-BZU4-W	40	FCS2-3015P-BZU4-W
FCS1-3010P-SZU4-W	42	FCS2-3015P-SZU4-W
FCS1-3010N-SZU4-W	41	FCS2-3015N-SZU4-W
FCS1-3010C-AZU4-W	43	FCS2-3015C-AZU4-W
FCS1-3010C-BZU4-W	43	FCS2-3015C-BZU4-W
HCS1-3010N-AZU4-W	37	HCS2-3015N-AZU4-W
HCS1-3010N-BZU4-W	38	HCS2-3015N-BZU4-W
HCS1-3010P-AZU4-W	39	HCS2-3015P-AZU4-W
HCS1-3010P-BZU4-W	40	HCS2-3015P-BZU4-W

Approx.187 g	Approx.179 g
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DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 30	
●	○
10 mm	15 mm
Stainless steel	
●	

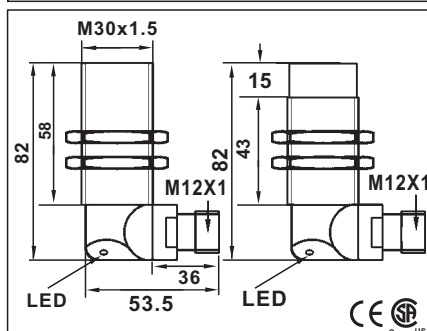


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-3010N-AZU4Y-W	37	FCS2-3015N-AZU4Y-W	
FCS1-3010N-BZU4Y-W	38	FCS2-3015N-BZU4Y-W	
FCS1-3010P-AZU4Y-W	39	FCS2-3015P-AZU4Y-W	
FCS1-3010P-BZU4Y-W	40	FCS2-3015P-BZU4Y-W	
FCS1-3010P-SZU4Y-W	42	FCS2-3015P-SZU4Y-W	
FCS1-3010N-SZU4Y-W	41	FCS2-3015N-SZU4Y-W	
FCS1-3010C-AZU4Y-W	43	FCS2-3015C-AZU4Y-W	
FCS1-3010C-BZU4Y-W	43	FCS2-3015C-BZU4Y-W	
HCS1-3010N-AZU4Y-W	37	HCS2-3015N-AZU4Y-W	
HCS1-3010N-BZU4Y-W	38	HCS2-3015N-BZU4Y-W	
HCS1-3010P-AZU4Y-W	39	HCS2-3015P-AZU4Y-W	
HCS1-3010P-BZU4Y-W	40	HCS2-3015P-BZU4Y-W	

Approx.311 g		Approx.356 g	
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M 30	
●	○
10 mm	15 mm
Stainless steel	
●	

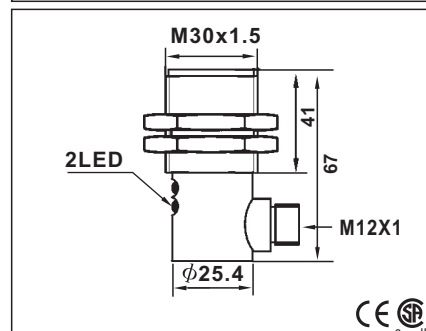


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
0.5ms/0.5ms	1ms/1ms
300HZ	150HZ
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-3010N-ARU4Y-W	29	FCS2-3015N-ARU4Y-W	
FCS1-3010N-BRU4Y-W	30	FCS2-3015N-BRU4Y-W	
FCS1-3010P-ARU4Y-W	31	FCS2-3015P-ARU4Y-W	
FCS1-3010P-BRU4Y-W	32	FCS2-3015P-BRU4Y-W	
FCS1-3010P-SRU4Y-W	34	FCS2-3015P-SRU4Y-W	
FCS1-3010N-SRU4Y-W	33	FCS2-3015N-SRU4Y-W	
FCS1-3010C-ARU4Y-W	36	FCS2-3015C-ARU4Y-W	
FCS1-3010C-BRU4Y-W	74	FCS2-3015C-BRU4Y-W	
HCS1-3010N-ARU4Y-W	29	HCS2-3015N-ARU4Y-W	
HCS1-3010N-BRU4Y-W	30	HCS2-3015N-BRU4Y-W	
HCS1-3010P-ARU4Y-W	31	HCS2-3015P-ARU4Y-W	
HCS1-3010P-BRU4Y-W	32	HCS2-3015P-BRU4Y-W	

Approx.311 g		Approx.356 g	
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M 30	
●	
10 mm	
Stainless steel	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
0.5ms/0.5ms	1ms/1ms
300HZ	150HZ
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-3010N-ARU4Y/2-W	29
FCS1-3010N-BRU4Y/2-W	30
FCS1-3010P-ARU4Y/2-W	31
FCS1-3010P-BRU4Y/2-W	32
FCS1-3010P-SRU4Y/2-W	34
FCS1-3010N-SRU4Y/2-W	33
FCS1-3010C-ARU4Y/2-W	36
FCS1-3010C-BRU4Y/2-W	74
HCS1-3010N-ARU4Y/2-W	29
HCS1-3010N-BRU4Y/2-W	30
HCS1-3010P-ARU4Y/2-W	31
HCS1-3010P-BRU4Y/2-W	32

Approx.250 g	
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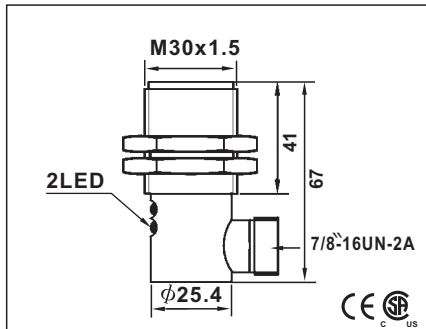
DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 30



10 mm

Stainless steel



10-30VDC

<10%

<10mA

200mA

<0.01mA

-

<1.5V

0.5ms/0.5ms

300HZ

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

YES

220mA

160MT

RFI>10V/m / EFT>1KV / ESD>8KV (contact)

IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2

Stainless steel

FCS1-3010N-AZU4Y/2-W	37
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FCS1-3010N-BZU4Y/2-W	38
----------------------	----

FCS1-3010P-AZU4Y/2-W	39
----------------------	----

FCS1-3010P-BZU4Y/2-W	40
----------------------	----

FCS1-3010P-SZU4Y/2-W	42
----------------------	----

FCS1-3010N-SZU4Y/2-W	41
----------------------	----

FCS1-3010C-AZU4Y/2-W	43
----------------------	----

FCS1-3010C-BZU4Y/2-W	43
----------------------	----

HCS1-3010N-AZU4Y/2-W	37
----------------------	----

HCS1-3010N-BZU4Y/2-W	38
----------------------	----

HCS1-3010P-AZU4Y/2-W	39
----------------------	----

HCS1-3010P-BZU4Y/2-W	40
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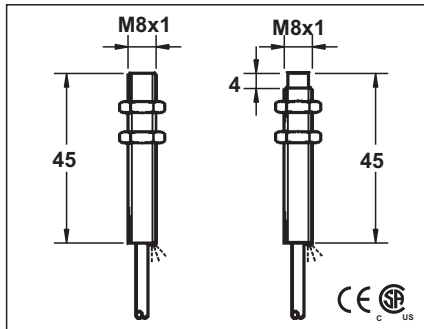
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Approx.250 g

DC METAL FACE EXTENDED SENSING DISTANCE PROXIMITY SWITCH

M8	
●	○
2 mm	4 mm
Stainless steel	
●	

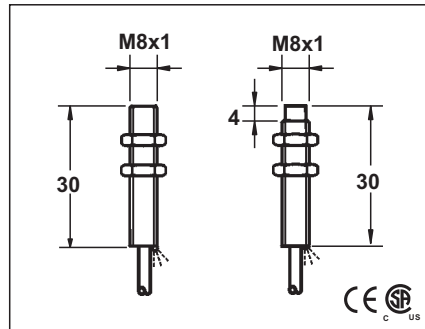


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-0802N-A3U2	1	ECS2-0804N-A3U2
ECS1-0802N-B3U2	2	ECS2-0804N-B3U2
ECS1-0802P-A3U2	3	ECS2-0804P-A3U2
ECS1-0802P-B3U2	4	ECS2-0804P-B3U2
ECS1-0802P-S4U2	6	ECS2-0804P-S4U2
ECS1-0802N-S4U2	5	ECS2-0804N-S4U2
ECS1-0802C-A2U2	7	ECS2-0804C-A2U2
ECS1-0802C-B2U2	8	ECS2-0804C-B2U2
HCS1-0802N-A3U2-E	1	HCS2-0804N-A3U2-E
HCS1-0802N-B3U2-E	2	HCS2-0804N-B3U2-E
HCS1-0802P-A3U2-E	3	HCS2-0804P-A3U2-E
HCS1-0802P-B3U2-E	4	HCS2-0804P-B3U2-E

3 φ3x0.15	
Approx.40 g	Approx.40 g

M8	
●	○
2 mm	4 mm
Stainless steel	
●	

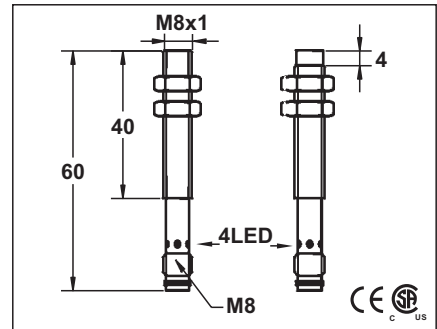


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-0802N-A3S2	1	ECS2-0804N-A3S2
ECS1-0802N-B3S2	2	ECS2-0804N-B3S2
ECS1-0802P-A3S2	3	ECS2-0804P-A3S2
ECS1-0802P-B3S2	4	ECS2-0804P-B3S2
ECS1-0802P-S4S2	6	ECS2-0804P-S4S2
ECS1-0802N-S4S2	5	ECS2-0804N-S4S2
ECS1-0802C-A2S2	7	ECS2-0804C-A2S2
ECS1-0802C-B2S2	8	ECS2-0804C-B2S2
HCS1-0802N-A3S2-E	1	HCS2-0804N-A3S2-E
HCS1-0802N-B3S2-E	2	HCS2-0804N-B3S2-E
HCS1-0802P-A3S2-E	3	HCS2-0804P-A3S2-E
HCS1-0802P-B3S2-E	4	HCS2-0804P-B3S2-E

3 φ3x0.15	
Approx.35 g	Approx.35 g

M8	
●	○
2 mm	4 mm
Stainless steel	
●	



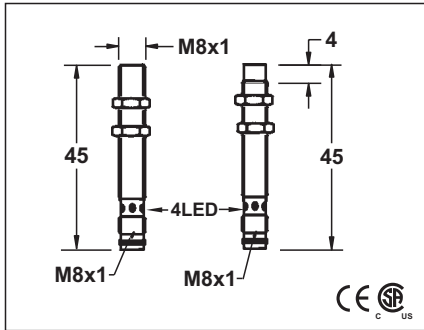
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-0802N-ACU3	25	ECS2-0804N-ACU3
ECS1-0802N-BCU3	25	ECS2-0804N-BCU3
ECS1-0802P-ACU3	26	ECS2-0804P-ACU3
ECS1-0802P-BCU3	26	ECS2-0804P-BCU3
ECS1-0802P-SCU3	28	ECS2-0804P-SCU3
ECS1-0802N-SCU3	27	ECS2-0804N-SCU3
ECS1-0802C-ACU3	35	ECS2-0804C-ACU3
ECS1-0802C-BCU3	73	ECS2-0804C-BCU3
HCS1-0802N-ACU3-E	25	HCS2-0804N-ACU3-E
HCS1-0802N-BCU3-E	25	HCS2-0804N-BCU3-E
HCS1-0802P-ACU3-E	26	HCS2-0804P-ACU3-E
HCS1-0802P-BCU3-E	26	HCS2-0804P-BCU3-E

3 φ3x0.15	
Approx.15 g	Approx.15 g

DC METAL FACE EXTENDED SENSING DISTANCE PROXIMITY SWITCH

M8	
●	○
2 mm	4 mm
Stainless steel	
●	

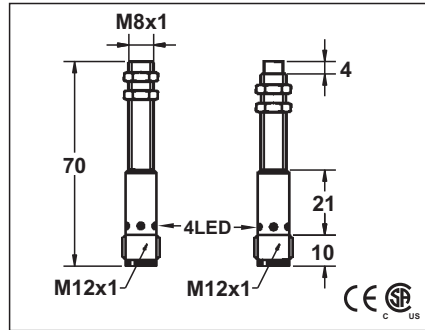


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-0802N-ACS3	25	ECS2-0804N-ACS3	
ECS1-0802N-BCS3	25	ECS2-0804N-BCS3	
ECS1-0802P-ACS3	26	ECS2-0804P-ACS3	
ECS1-0802P-BCS3	26	ECS2-0804P-BCS3	
ECS1-0802P-SCS3	28	ECS2-0804P-SCS3	
ECS1-0802N-SCS3	27	ECS2-0804N-SCS3	
ECS1-0802C-ACS3	35	ECS2-0804C-ACS3	
ECS1-0802C-BCS3	73	ECS2-0804C-BCS3	
HCS1-0802N-ACS3-E	25	HCS2-0804N-ACS3-E	
HCS1-0802N-BCS3-E	25	HCS2-0804N-BCS3-E	
HCS1-0802P-ACS3-E	26	HCS2-0804P-ACS3-E	
HCS1-0802P-BCS3-E	26	HCS2-0804P-BCS3-E	

Approx.12 g		Approx.12 g	
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M8	
●	○
2 mm	4 mm
Stainless steel	
●	

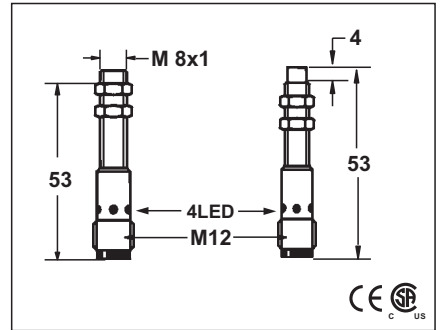


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-0802N-ARU4	29	ECS2-0804N-ARU4	
ECS1-0802N-BRU4	30	ECS2-0804N-BRU4	
ECS1-0802P-ARU4	31	ECS2-0804P-ARU4	
ECS1-0802P-BRU4	32	ECS2-0804P-BRU4	
ECS1-0802P-SRU4	34	ECS2-0804P-SRU4	
ECS1-0802N-SRU4	33	ECS2-0804N-SRU4	
ECS1-0802C-ARU4	36	ECS2-0804C-ARU4	
ECS1-0802C-BRU4	74	ECS2-0804C-BRU4	
HCS1-0802N-ARU4-E	29	HCS2-0804N-ARU4-E	
HCS1-0802N-BRU4-E	30	HCS2-0804N-BRU4-E	
HCS1-0802P-ARU4-E	31	HCS2-0804P-ARU4-E	
HCS1-0802P-BRU4-E	32	HCS2-0804P-BRU4-E	

Approx.22 g		Approx.22 g	
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M8	
●	○
2 mm	4 mm
Stainless steel	
●	



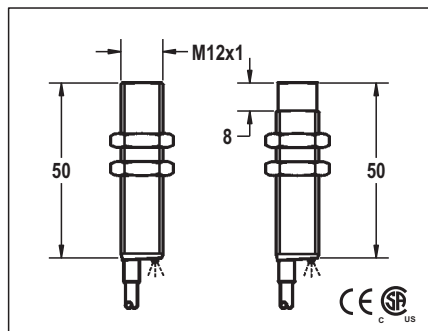
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-0802N-ARS4	29	ECS2-0804N-ARS4	
ECS1-0802N-BRS4	30	ECS2-0804N-BRS4	
ECS1-0802P-ARS4	31	ECS2-0804P-ARS4	
ECS1-0802P-BRS4	32	ECS2-0804P-BRS4	
ECS1-0802P-SRS4	34	ECS2-0804P-SRS4	
ECS1-0802N-SRS4	33	ECS2-0804N-SRS4	
ECS1-0802C-ARS4	36	ECS2-0804C-ARS4	
ECS1-0802C-BRS4	74	ECS2-0804C-BRS4	
HCS1-0802N-ARS4-E	29	HCS2-0804N-ARS4-E	
HCS1-0802N-BRS4-E	30	HCS2-0804N-BRS4-E	
HCS1-0802P-ARS4-E	31	HCS2-0804P-ARS4-E	
HCS1-0802P-BRS4-E	32	HCS2-0804P-BRS4-E	

Approx.17 g		Approx.17 g	
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DC METAL FACE EXTENDED SENSING DISTANCE PROXIMITY SWITCH

M12	
●	○
4 mm	8 mm
Stainless steel	
●	

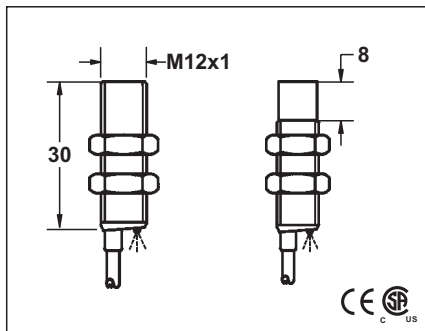


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-1204N-A3U2	1	ECS2-1208N-A3U2
ECS1-1204N-B3U2	2	ECS2-1208N-B3U2
ECS1-1204P-A3U2	3	ECS2-1208P-A3U2
ECS1-1204P-B3U2	4	ECS2-1208P-B3U2
ECS1-1204P-S4U2	6	ECS2-1208P-S4U2
ECS1-1204N-S4U2	5	ECS2-1208N-S4U2
ECS1-1204C-A2U2	7	ECS2-1208C-A2U2
ECS1-1204C-B2U2	8	ECS2-1208C-B2U2
HCS1-1204N-A3U2-E	1	HCS2-1208N-A3U2-E
HCS1-1204N-B3U2-E	2	HCS2-1208N-B3U2-E
HCS1-1204P-A3U2-E	3	HCS2-1208P-A3U2-E
HCS1-1204P-B3U2-E	4	HCS2-1208P-B3U2-E

4 φ 3x0.15	
Approx.67 g	Approx.65 g

M12	
●	○
4 mm	8 mm
Stainless steel	
●	

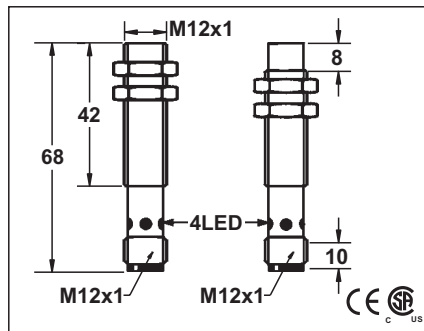


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-1204N-A3S2	1	ECS2-1208N-A3S2
ECS1-1204N-B3S2	2	ECS2-1208N-B3S2
ECS1-1204P-A3S2	3	ECS2-1208P-A3S2
ECS1-1204P-B3S2	4	ECS2-1208P-B3S2
ECS1-1204P-S4S2	6	ECS2-1208P-S4S2
ECS1-1204N-S4S2	5	ECS2-1208N-S4S2
ECS1-1204C-A2S2	7	ECS2-1208C-A2S2
ECS1-1204C-B2S2	8	ECS2-1208C-B2S2
HCS1-1204N-A3S2-E	1	HCS2-1208N-A3S2-E
HCS1-1204N-B3S2-E	2	HCS2-1208N-B3S2-E
HCS1-1204P-A3S2-E	3	HCS2-1208P-A3S2-E
HCS1-1204P-B3S2-E	4	HCS2-1208P-B3S2-E

4 φ 3x0.15	
Approx.62 g	Approx.60 g

M12	
●	○
4 mm	8 mm
Stainless steel	
●	






10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

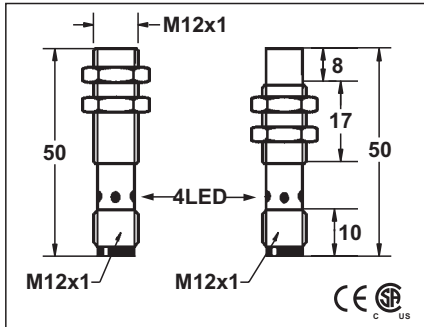
ECS1-1204N-ARU4	29	ECS2-1208N-ARU4
ECS1-1204N-BRU4	30	ECS2-1208N-BRU4
ECS1-1204P-ARU4	31	ECS2-1208P-ARU4
ECS1-1204P-BRU4	32	ECS2-1208P-BRU4
ECS1-1204P-SRU4	34	ECS2-1208P-SRU4
ECS1-1204N-SRU4	33	ECS2-1208N-SRU4
ECS1-1204C-ARU4	36	ECS2-1208C-ARU4
ECS1-1204C-BRU4	74	ECS2-1208C-BRU4
HCS1-1204N-ARU4-E	29	HCS2-1208N-ARU4-E
HCS1-1204N-BRU4-E	30	HCS2-1208N-BRU4-E
HCS1-1204P-ARU4-E	31	HCS2-1208P-ARU4-E
HCS1-1204P-BRU4-E	32	HCS2-1208P-BRU4-E

4 φ 3x0.15	
Approx.31 g	Approx.30 g

M12、M18

DC METAL FACE EXTENDED SENSING DISTANCE PROXIMITY SWITCH

M12	
	
4 mm	8 mm
Stainless steel	
	






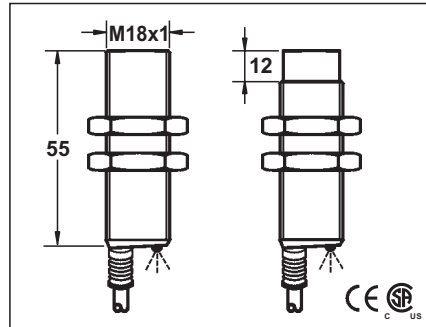
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-1204N-ARS4	29	ECS1-1206N-ARS4
ECS1-1204N-BRS4	30	ECS1-1206N-BRS4
ECS1-1204P-ARS4	31	ECS1-1206P-ARS4
ECS1-1204P-BRS4	32	ECS1-1206P-BRS4
ECS1-1204P-SRS4	34	ECS1-1206P-SRS4
ECS1-1204N-SRS4	33	ECS1-1206N-SRS4
ECS1-1204C-ARS4	36	ECS1-1206C-ARS4
ECS1-1204C-BRS4	74	ECS1-1206C-BRS4
HCS1-1204N-ARS4-E	29	HCS1-1206N-ARS4-E
HCS1-1204N-BRS4-E	30	HCS1-1206N-BRS4-E
HCS1-1204P-ARS4-E	31	HCS1-1206P-ARS4-E
HCS1-1204P-BRS4-E	32	HCS1-1206P-BRS4-E



Approx.25 g	Approx.23 g
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M18	
	
8 mm	16 mm
Stainless steel	
	






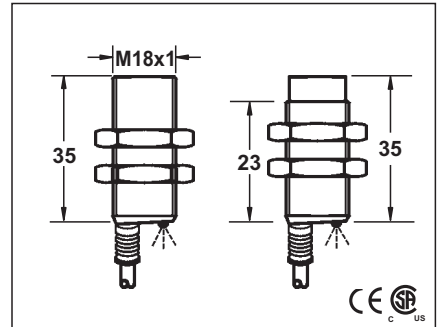
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
500HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-1808N-A3U2	1	ECS2-1816N-A3U2
ECS1-1808N-B3U2	2	ECS2-1816N-B3U2
ECS1-1808P-A3U2	3	ECS2-1816P-A3U2
ECS1-1808P-B3U2	4	ECS2-1816P-B3U2
ECS1-1808P-S4U2	6	ECS2-1816P-S4U2
ECS1-1808N-S4U2	5	ECS2-1816N-S4U2
ECS1-1808C-A2U2	7	ECS2-1816C-A2U2
ECS1-1808C-B2U2	8	ECS2-1816C-B2U2
HCS1-1808N-A3U2-E	1	HCS2-1816N-A3U2-E
HCS1-1808N-B3U2-E	2	HCS2-1816N-B3U2-E
HCS1-1808P-A3U2-E	3	HCS2-1816P-A3U2-E
HCS1-1808P-B3U2-E	4	HCS2-1816P-B3U2-E



5.0 ϕ 44x0.1	
Approx.153 g	Approx.144 g

M18	
	
8 mm	16 mm
Stainless steel	
	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
500HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

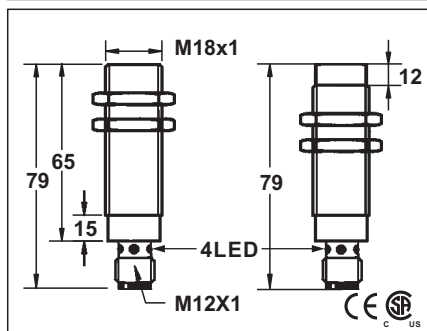
ECS1-1808N-A3S2	1	ECS2-1816N-A3S2
ECS1-1808N-B3S2	2	ECS2-1816N-B3S2
ECS1-1808P-A3S2	3	ECS2-1816P-A3S2
ECS1-1808P-B3S2	4	ECS2-1816P-B3S2
ECS1-1808P-S4S2	6	ECS2-1816P-S4S2
ECS1-1808N-S4S2	5	ECS2-1816N-S4S2
ECS1-1808C-A2S2	7	ECS2-1816C-A2S2
ECS1-1808C-B2S2	8	ECS2-1816C-B2S2
HCS1-1808N-A3S2-E	1	HCS2-1816N-A3S2-E
HCS1-1808N-B3S2-E	2	HCS2-1816N-B3S2-E
HCS1-1808P-A3S2-E	3	HCS2-1816P-A3S2-E
HCS1-1808P-B3S2-E	4	HCS2-1816P-B3S2-E



5.0 ϕ 44x0.1	
Approx.132 g	Approx.134 g

DC METAL FACE EXTENDED SENSING DISTANCE PROXIMITY SWITCH

M 18	
●	○
8 mm	16 mm
stainless steel	
●	

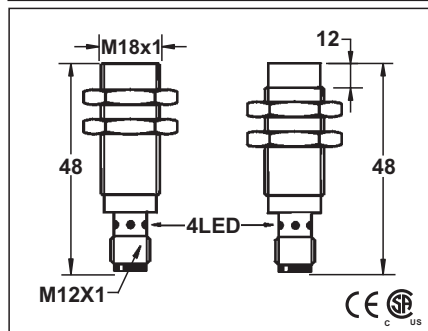


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
500HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-1808N-ARU4	29	ECS2-1816N-ARU4
ECS1-1808N-BRU4	30	ECS2-1816N-BRU4
ECS1-1808P-ARU4	31	ECS2-1816P-ARU4
ECS1-1808P-BRU4	32	ECS2-1816P-BRU4
ECS1-1808P-SRU4	34	ECS2-1816P-SRU4
ECS1-1808N-SRU4	33	ECS2-1816N-SRU4
ECS1-1808C-ARU4	36	ECS2-1816C-ARU4
ECS1-1808C-BRU4	74	ECS2-1816C-BRU4
HCS1-1808N-ARU4-E	29	HCS2-1816N-ARU4-E
HCS1-1808N-BRU4-E	30	HCS2-1816N-BRU4-E
HCS1-1808P-ARU4-E	31	HCS2-1816P-ARU4-E
HCS1-1808P-BRU4-E	32	HCS2-1816P-BRU4-E

Approx.94 g	Approx.91 g
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M 18	
●	○
8 mm	16 mm
stainless steel	
●	

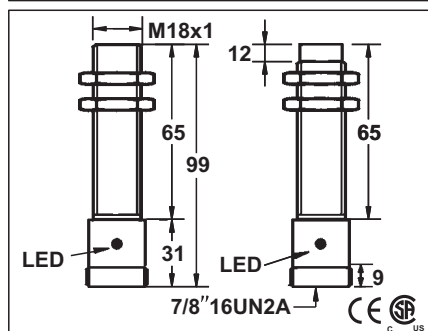


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
500HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-1808N-ARS4	29	ECS2-1816N-ARS4
ECS1-1808N-BRS4	30	ECS2-1816N-BRS4
ECS1-1808P-ARS4	31	ECS2-1816P-ARS4
ECS1-1808P-BRS4	32	ECS2-1816P-BRS4
ECS1-1808P-SRS4	34	ECS2-1816P-SRS4
ECS1-1808N-SRS4	33	ECS2-1816N-SRS4
ECS1-1808C-ARS4	36	ECS2-1816C-ARS4
ECS1-1808C-BRS4	74	ECS2-1816C-BRS4
HCS1-1808N-ARS4-E	29	HCS2-1816N-ARS4-E
HCS1-1808N-BRS4-E	30	HCS2-1816N-BRS4-E
HCS1-1808P-ARS4-E	31	HCS2-1816P-ARS4-E
HCS1-1808P-BRS4-E	32	HCS2-1816P-BRS4-E

Approx.50 g	Approx.50 g
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M 18	
●	○
8 mm	16 mm
stainless steel	
●	



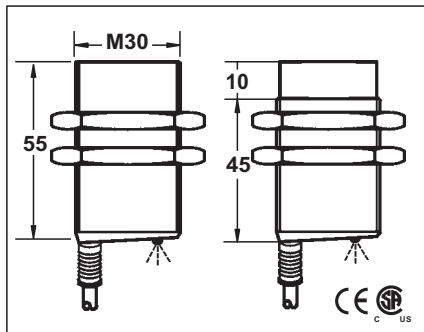
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
500HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-1808N-AZU4	37	ECS2-1816N-AZU4
ECS1-1808N-BZU4	38	ECS2-1816N-BZU4
ECS1-1808P-AZU4	39	ECS2-1816P-AZU4
ECS1-1808P-BZU4	40	ECS2-1816P-BZU4
ECS1-1808P-SZU4	42	ECS2-1816P-SZU4
ECS1-1808N-SZU4	41	ECS2-1816N-SZU4
ECS1-1808C-AZU4	43	ECS2-1816C-AZU4
ECS1-1808C-BZU4	43	ECS2-1816C-BZU4
HCS1-1808N-AZU4-E	37	HCS2-1816N-AZU4-E
HCS1-1808N-BZU4-E	38	HCS2-1816N-BZU4-E
HCS1-1808P-AZU4-E	39	HCS2-1816P-AZU4-E
HCS1-1808P-BZU4-E	40	HCS2-1816P-BZU4-E

Approx.94 g	Approx.91 g
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DC METAL FACE EXTENDED SENSING DISTANCE PROXIMITY SWITCH

M 30	
●	○
16 mm	25 mm
stainless steel	
●	

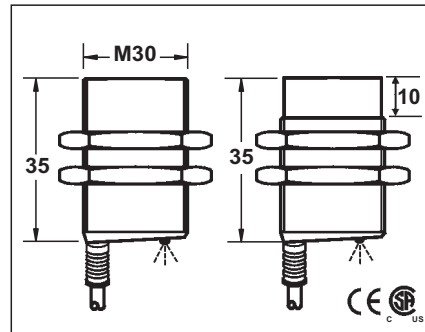


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
150HZ	100HZ
1ms/1ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-3016N-A3U2	1	ECS2-3025N-A3U2
ECS1-3016N-B3U2	2	ECS2-3025N-B3U2
ECS1-3016P-A3U2	3	ECS2-3025P-A3U2
ECS1-3016P-B3U2	4	ECS2-3025P-B3U2
ECS1-3016P-S4U2	6	ECS2-3025P-S4U2
ECS1-3016N-S4U2	5	ECS2-3025N-S4U2
ECS1-3016C-A2U2	7	ECS2-3025C-A2U2
ECS1-3016C-B2U2	8	ECS2-3025C-B2U2
HCS1-3016N-A3U2-E	1	HCS2-3025N-A3U2-E
HCS1-3016N-B3U2-E	2	HCS2-3025N-B3U2-E
HCS1-3016P-A3U2-E	3	HCS2-3025P-A3U2-E
HCS1-3016P-B3U2-E	4	HCS2-3025P-B3U2-E

5.8φ3x0.5	
Approx.217 g	Approx.207 g

M 30	
●	○
16 mm	25 mm
stainless steel	
●	

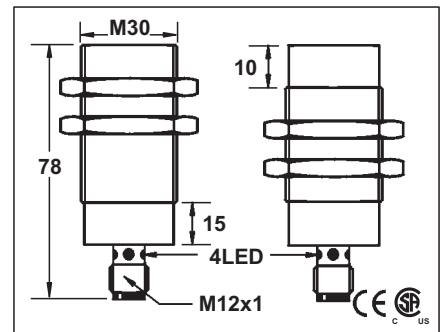


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
150HZ	100HZ
1ms/1ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-3016N-A3S2	1	ECS2-3025N-A3S2
ECS1-3016N-B3S2	2	ECS2-3025N-B3S2
ECS1-3016P-A3S2	3	ECS2-3025P-A3S2
ECS1-3016P-B3S2	4	ECS2-3025P-B3S2
ECS1-3016P-S4S2	6	ECS2-3025P-S4S2
ECS1-3016N-S4S2	5	ECS2-3025N-S4S2
ECS1-3016C-A2S2	7	ECS2-3025C-A2S2
ECS1-3016C-B2S2	8	ECS2-3025C-B2S2
HCS1-3016N-A3S2-E	1	HCS2-3025N-A3S2-E
HCS1-3016N-B3S2-E	2	HCS2-3025N-B3S2-E
HCS1-3016P-A3S2-E	3	HCS2-3025P-A3S2-E
HCS1-3016P-B3S2-E	4	HCS2-3025P-B3S2-E

5.8φ3x0.5	
Approx.22 g	Approx.22 g

M 30	
●	○
16 mm	25 mm
stainless steel	
●	



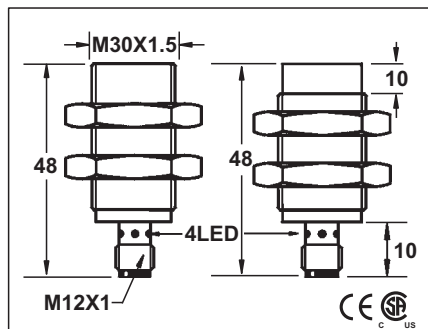
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
150HZ	100HZ
1ms/1ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-3016N-ARU4	29	ECS2-3025N-ARU4
ECS1-3016N-BRU4	30	ECS2-3025N-BRU4
ECS1-3016P-ARU4	31	ECS2-3025P-ARU4
ECS1-3016P-BRU4	32	ECS2-3025P-BRU4
ECS1-3016P-SRU4	34	ECS2-3025P-SRU4
ECS1-3016N-SRU4	33	ECS2-3025N-SRU4
ECS1-3016C-ARU4	36	ECS2-3025C-ARU4
ECS1-3016C-BRU4	74	ECS2-3025C-BRU4
HCS1-3016N-ARU4-E	29	HCS2-3025N-ARU4-E
HCS1-3016N-BRU4-E	30	HCS2-3025N-BRU4-E
HCS1-3016P-ARU4-E	31	HCS2-3025P-ARU4-E
HCS1-3016P-BRU4-E	32	HCS2-3025P-BRU4-E

5.8φ3x0.5	
Approx.187 g	Approx.179 g

DC METAL FACE EXTENDED SENSING DISTANCE PROXIMITY SWITCH

M30	
●	○
16 mm	25 mm
Stainless steel	
●	

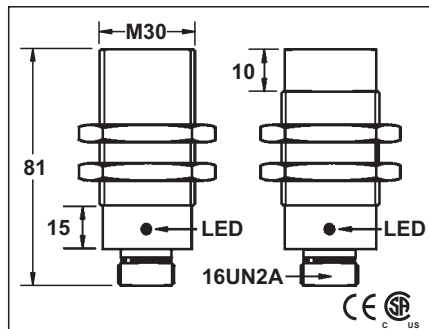


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
150HZ	100HZ
1ms/1ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-3016N-ARS4	29	ECS2-3025N-ARS4
ECS1-3016N-BRS4	30	ECS2-3025N-BRS4
ECS1-3016P-ARS4	31	ECS2-3025P-ARS4
ECS1-3016P-BRS4	32	ECS2-3025P-BRS4
ECS1-3016P-SRS4	34	ECS2-3025P-SRS4
ECS1-3016N-SRS4	33	ECS2-3025N-SRS4
ECS1-3016C-ARS4	36	ECS2-3025C-ARS4
ECS1-3016C-BRS4	74	ECS2-3025C-BRS4
HCS1-3016N-ARS4-E	29	HCS2-3025N-ARS4-E
HCS1-3016N-BRS4-E	30	HCS2-3025N-BRS4-E
HCS1-3016P-ARS4-E	31	HCS2-3025P-ARS4-E
HCS1-3016P-BRS4-E	32	HCS2-3025P-BRS4-E

Approx.111 g	Approx.121 g
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M30	
●	○
16 mm	25 mm
Stainless steel	
●	



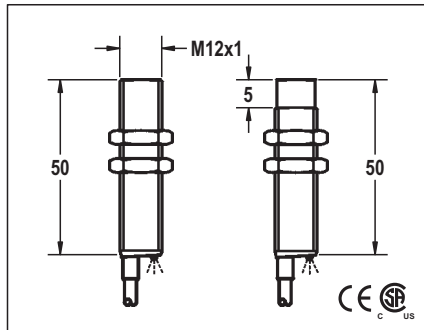
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
150HZ	100HZ
1ms/1ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

ECS1-3016N-AZU4	37	ECS2-3025N-AZU4
ECS1-3016N-BZU4	38	ECS2-3025N-BZU4
ECS1-3016P-AZU4	39	ECS2-3025P-AZU4
ECS1-3016P-BZU4	40	ECS2-3025P-BZU4
ECS1-3016P-SZU4	42	ECS2-3025P-SZU4
ECS1-3016N-SZU4	41	ECS2-3025N-SZU4
ECS1-3016C-AZU4	43	ECS2-3025C-AZU4
ECS1-3016C-BZU4	43	ECS2-3025C-BZU4
HCS1-3016N-AZU4-E	37	HCS2-3025N-AZU4-E
HCS1-3016N-BZU4-E	38	HCS2-3025N-BZU4-E
HCS1-3016P-AZU4-E	39	HCS2-3025P-AZU4-E
HCS1-3016P-BZU4-E	40	HCS2-3025P-BZU4-E

Approx.187 g	Approx.179 g
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DC METAL FACE LONG SENSING DISTANCE PROXIMITY SWITCH

M12	
●	○
6 mm	10 mm
Stainless steel	
●	

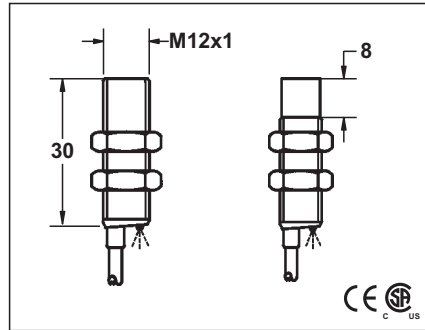


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

LCS1-1206N-A3U2	1	LCS2-1210N-A3U2
LCS1-1206N-B3U2	2	LCS2-1210N-B3U2
LCS1-1206P-A3U2	3	LCS2-1210P-A3U2
LCS1-1206P-B3U2	4	LCS2-1210P-B3U2
LCS1-1206P-S4U2	6	LCS2-1210P-S4U2
LCS1-1206N-S4U2	5	LCS2-1210N-S4U2
LCS1-1206C-A2U2	7	LCS2-1210C-A2U2
LCS1-1206C-B2U2	8	LCS2-1210C-B2U2
HCS1-1206N-A3U2-L	1	HCS2-1210N-A3U2-L
HCS1-1206N-B3U2-L	2	HCS2-1210N-B3U2-L
HCS1-1206P-A3U2-L	3	HCS2-1210P-A3U2-L
HCS1-1206P-B3U2-L	4	HCS2-1210P-B3U2-L

4 φ 3x0.15	
Approx.67 g	Approx.65 g

M12	
●	○
6 mm	10 mm
Stainless steel	
●	

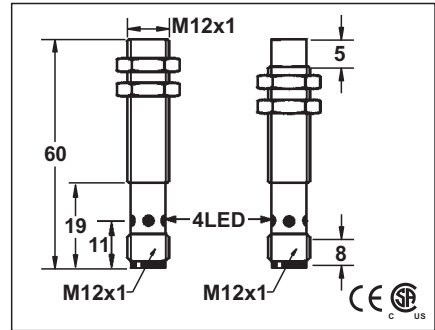


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

LCS1-1206N-A3S2	1	LCS2-1210N-A3S2
LCS1-1206N-B3S2	2	LCS2-1210N-B3S2
LCS1-1206P-A3S2	3	LCS2-1210P-A3S2
LCS1-1206P-B3S2	4	LCS2-1210P-B3S2
LCS1-1206P-S4S2	6	LCS2-1210P-S4S2
LCS1-1206N-S4S2	5	LCS2-1210N-S4S2
LCS1-1206C-A2S2	7	LCS2-1210C-A2S2
LCS1-1206C-B2S2	8	LCS2-1210C-B2S2
HCS1-1206N-A3S2-L	1	HCS2-1210N-A3S2-L
HCS1-1206N-B3S2-L	2	HCS2-1210N-B3S2-L
HCS1-1206P-A3S2-L	3	HCS2-1210P-A3S2-L
HCS1-1206P-B3S2-L	4	HCS2-1210P-B3S2-L

4 φ 3x0.15	
Approx.62 g	Approx.60 g

M12	
●	○
6 mm	10 mm
Stainless steel	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

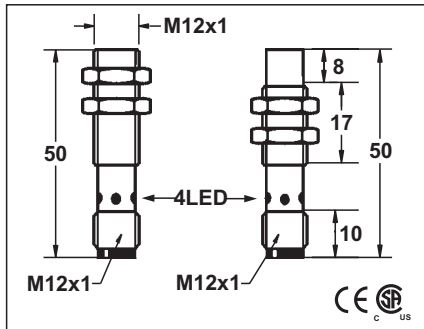
LCS1-1206N-ARU4	29	LCS2-1210N-ARU4
LCS1-1206N-BRU4	30	LCS2-1210N-BRU4
LCS1-1206P-ARU4	31	LCS2-1210P-ARU4
LCS1-1206P-BRU4	32	LCS2-1210P-BRU4
LCS1-1206P-SRU4	34	LCS2-1210P-SRU4
LCS1-1206N-SRU4	33	LCS2-1210N-SRU4
LCS1-1206C-ARU4	36	LCS2-1210C-ARU4
LCS1-1206C-BRU4	74	LCS2-1210C-BRU4
HCS1-1206N-ARU4-L	29	HCS2-1210N-ARU4-L
HCS1-1206N-BRU4-L	30	HCS2-1210N-BRU4-L
HCS1-1206P-ARU4-L	31	HCS2-1210P-ARU4-L
HCS1-1206P-BRU4-L	32	HCS2-1210P-BRU4-L

4 φ 3x0.15	
Approx.31 g	Approx.30 g

M12、M18

DC METAL FACE LONG SENSING DISTANCE PROXIMITY SWITCH

M12	
●	○
12 mm	20 mm
Stainless steel	
●	

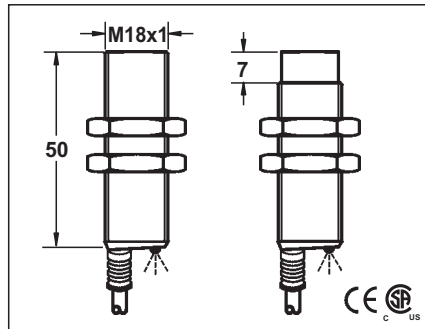


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

LCS1-1206N-ARS4	29	LCS1-1210N-ARS4
LCS1-1206N-BRS4	30	LCS1-1210N-BRS4
LCS1-1206P-ARS4	31	LCS1-1210P-ARS4
LCS1-1206P-BRS4	32	LCS1-1210P-BRS4
LCS1-1206P-SRS4	34	LCS1-1210P-SRS4
LCS1-1206N-SRS4	33	LCS1-1210N-SRS4
LCS1-1206C-ARS4	36	LCS1-1210C-ARS4
LCS1-1206C-BRS4	74	LCS1-1210C-BRS4
HCS1-1206N-ARS4-L	29	HCS1-1210N-ARS4-L
HCS1-1206N-BRS4-L	30	HCS1-1210N-BRS4-L
HCS1-1206P-ARS4-L	31	HCS1-1210P-ARS4-L
HCS1-1206P-BRS4-L	32	HCS1-1210P-BRS4-L

Approx.25 g		Approx.23 g	
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M18	
●	○
12 mm	20 mm
Stainless steel	
●	

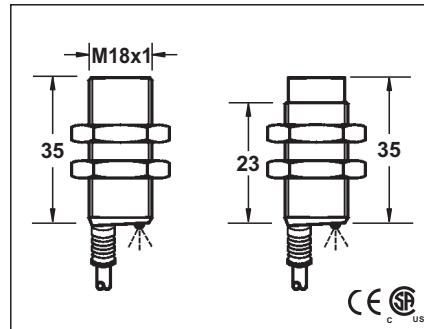


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	100HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

LCS1-1812N-A3U2	1	LCS2-1820N-A3U2
LCS1-1812N-B3U2	2	LCS2-1820N-B3U2
LCS1-1812P-A3U2	3	LCS2-1820P-A3U2
LCS1-1812P-B3U2	4	LCS2-1820P-B3U2
LCS1-1812P-S4U2	6	LCS2-1820P-S4U2
LCS1-1812N-S4U2	5	LCS2-1820N-S4U2
LCS1-1812C-A2U2	7	LCS2-1820C-A2U2
LCS1-1812C-B2U2	8	LCS2-1820C-B2U2
HCS1-1812N-A3U2-L	1	HCS2-1820N-A3U2-L
HCS1-1812N-B3U2-L	2	HCS2-1820N-B3U2-L
HCS1-1812P-A3U2-L	3	HCS2-1820P-A3U2-L
HCS1-1812P-B3U2-L	4	HCS2-1820P-B3U2-L

5.0 φ44x0.1		Approx.110 g		Approx.114 g	
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M18	
●	○
12 mm	20 mm
Stainless steel	
●	



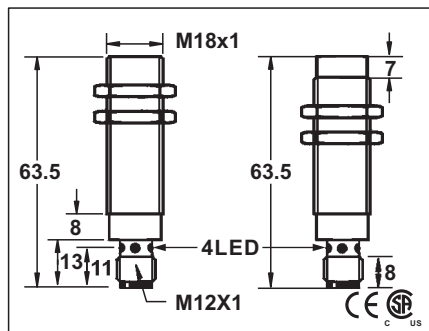
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	100HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

LCS1-1812N-A3S2	1	LCS2-1820N-A3S2
LCS1-1812N-B3S2	2	LCS2-1820N-B3S2
LCS1-1812P-A3S2	3	LCS2-1820P-A3S2
LCS1-1812P-B3S2	4	LCS2-1820P-B3S2
LCS1-1812P-S4S2	6	LCS2-1820P-S4S2
LCS1-1812N-S4S2	5	LCS2-1820N-S4S2
LCS1-1812C-A2S2	7	LCS2-1820C-A2S2
LCS1-1812C-B2S2	8	LCS2-1820C-B2S2
HCS1-1812N-A3S2-L	1	HCS2-1820N-A3S2-L
HCS1-1812N-B3S2-L	2	HCS2-1820N-B3S2-L
HCS1-1812P-A3S2-L	3	HCS2-1820P-A3S2-L
HCS1-1812P-B3S2-L	4	HCS2-1820P-B3S2-L

5.0 φ44x0.1		Approx.132 g		Approx.134 g	
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DC METAL FACE LONG SENSING DISTANCE PROXIMITY SWITCH

M 18	
●	○
12 mm	20 mm
stainless steel	
●	

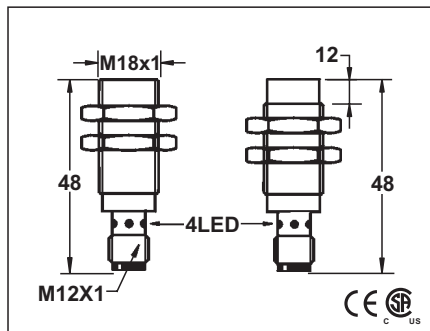


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	100HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

LCS1-1812N-ARU4	29	LCS2-1820N-ARU4
LCS1-1812N-BRU4	30	LCS2-1820N-BRU4
LCS1-1812P-ARU4	31	LCS2-1820P-ARU4
LCS1-1812P-BRU4	32	LCS2-1820P-BRU4
LCS1-1812P-SRU4	34	LCS2-1820P-SRU4
LCS1-1812N-SRU4	33	LCS2-1820N-SRU4
LCS1-1812C-ARU4	36	LCS2-1820C-ARU4
LCS1-1812C-BRU4	74	LCS2-1820C-BRU4
HCS1-1812N-ARU4-L	29	HCS2-1820N-ARU4-L
HCS1-1812N-BRU4-L	30	HCS2-1820N-BRU4-L
HCS1-1812P-ARU4-L	31	HCS2-1820P-ARU4-L
HCS1-1812P-BRU4-L	32	HCS2-1820P-BRU4-L

Approx.94 g	Approx.91 g
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M 18	
●	○
12 mm	20 mm
stainless steel	
●	

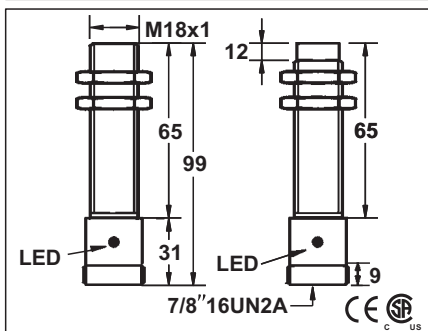


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	100HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

LCS1-1812N-ARS4	29	LCS2-1820N-ARS4
LCS1-1812N-BRS4	30	LCS2-1820N-BRS4
LCS1-1812P-ARS4	31	LCS2-1820P-ARS4
LCS1-1812P-BRS4	32	LCS2-1820P-BRS4
LCS1-1812P-SRS4	34	LCS2-1820P-SRS4
LCS1-1812N-SRS4	33	LCS2-1820N-SRS4
LCS1-1812C-ARS4	36	LCS2-1820C-ARS4
LCS1-1812C-BRS4	74	LCS2-1820C-BRS4
HCS1-1812N-ARS4-L	29	HCS2-1820N-ARS4-L
HCS1-1812N-BRS4-L	30	HCS2-1820N-BRS4-L
HCS1-1812P-ARS4-L	31	HCS2-1820P-ARS4-L
HCS1-1812P-BRS4-L	32	HCS2-1820P-BRS4-L

Approx.50 g	Approx.50 g
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M 18	
●	○
12 mm	20 mm
stainless steel	
●	



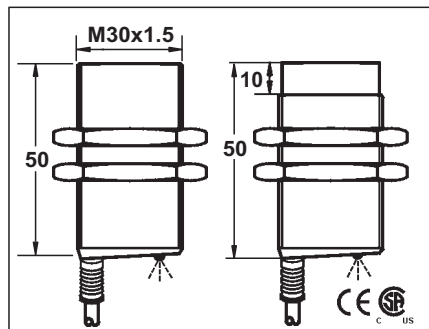
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	100HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

LCS1-1812N-AZU4	37	LCS2-1820N-AZU4
LCS1-1812N-BZU4	38	LCS2-1820N-BZU4
LCS1-1812P-AZU4	39	LCS2-1820P-AZU4
LCS1-1812P-BZU4	40	LCS2-1820P-BZU4
LCS1-1812P-SZU4	42	LCS2-1820P-SZU4
LCS1-1812N-SZU4	41	LCS2-1820N-SZU4
LCS1-1812C-AZU4	43	LCS2-1820C-AZU4
LCS1-1812C-BZU4	43	LCS2-1820C-BZU4
HCS1-1812N-AZU4-L	37	HCS2-1820N-AZU4-L
HCS1-1812N-BZU4-L	38	HCS2-1820N-BZU4-L
HCS1-1812P-AZU4-L	39	HCS2-1820P-AZU4-L
HCS1-1812P-BZU4-L	40	HCS2-1820P-BZU4-L

Approx.94 g	Approx.91 g
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DC METAL FACE LONG SENSING DISTANCE PROXIMITY SWITCH

M 30	
●	○
22 mm	40 mm
stainless steel	
●	

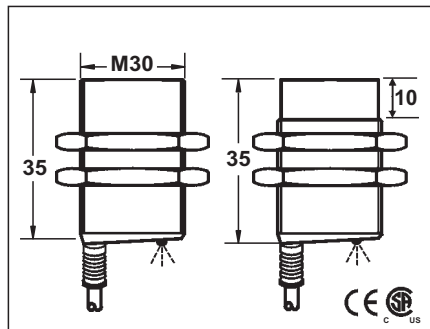


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	100HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

LCS1-3022N-A3U2	1	LCS2-3040N-A3U2
LCS1-3022N-B3U2	2	LCS2-3040N-B3U2
LCS1-3022P-A3U2	3	LCS2-3040P-A3U2
LCS1-3022P-B3U2	4	LCS2-3040P-B3U2
LCS1-3022P-S4U2	6	LCS2-3040P-S4U2
LCS1-3022N-S4U2	5	LCS2-3040N-S4U2
LCS1-3022C-A2U2	7	LCS2-3040C-A2U2
LCS1-3022C-B2U2	8	LCS2-3040C-B2U2
HCS1-3022N-A3U2-L	1	HCS2-3040N-A3U2-L
HCS1-3022N-B3U2-L	2	HCS2-3040N-B3U2-L
HCS1-3022P-A3U2-L	3	HCS2-3040P-A3U2-L
HCS1-3022P-B3U2-L	4	HCS2-3040P-B3U2-L

5.8φ3x0.5	
Approx.231 g	Approx.241 g

M 30	
●	○
22 mm	40 mm
stainless steel	
●	

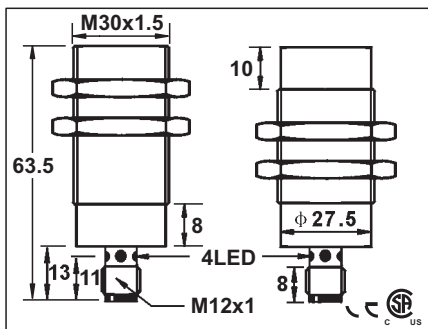


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	100HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

LCS1-3022N-A3S2	1	LCS2-3040N-A3S2
LCS1-3022N-B3S2	2	LCS2-3040N-B3S2
LCS1-3022P-A3S2	3	LCS2-3040P-A3S2
LCS1-3022P-B3S2	4	LCS2-3040P-B3S2
LCS1-3022P-S4S2	6	LCS2-3040P-S4S2
LCS1-3022N-S4S2	5	LCS2-3040N-S4S2
LCS1-3022C-A2S2	7	LCS2-3040C-A2S2
LCS1-3022C-B2S2	8	LCS2-3040C-B2S2
HCS1-3022N-A3S2-L	1	HCS2-3040N-A3S2-L
HCS1-3022N-B3S2-L	2	HCS2-3040N-B3S2-L
HCS1-3022P-A3S2-L	3	HCS2-3040P-A3S2-L
HCS1-3022P-B3S2-L	4	HCS2-3040P-B3S2-L

5.8φ3x0.5	
Approx.180 g	Approx.182 g

M 30	
●	○
22 mm	40 mm
stainless steel	
●	



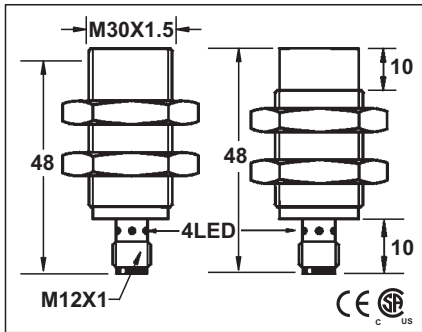
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	100HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

LCS1-3022N-ARU4	29	LCS2-3040N-ARU4
LCS1-3022N-BRU4	30	LCS2-3040N-BRU4
LCS1-3022P-ARU4	31	LCS2-3040P-ARU4
LCS1-3022P-BRU4	32	LCS2-3040P-BRU4
LCS1-3022P-SRU4	34	LCS2-3040P-SRU4
LCS1-3022N-SRU4	33	LCS2-3040N-SRU4
LCS1-3022C-ARU4	36	LCS2-3040C-ARU4
LCS1-3022C-BRU4	74	LCS2-3040C-BRU4
HCS1-3022N-ARU4-L	29	HCS2-3040N-ARU4-L
HCS1-3022N-BRU4-L	30	HCS2-3040N-BRU4-L
HCS1-3022P-ARU4-L	31	HCS2-3040P-ARU4-L
HCS1-3022P-BRU4-L	32	HCS2-3040P-BRU4-L

5.8φ3x0.5	
Approx.147 g	Approx.170 g

DC METAL FACE LONG SENSING DISTANCE PROXIMITY SWITCH

M30	
●	○
22 mm	40 mm
Stainless steel	

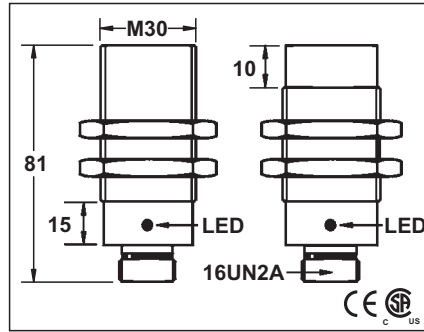


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
<1.5V	
300HZ	100HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

LCS1-3022N-ARS4	29	LCS2-3040N-ARS4
LCS1-3022N-BRS4	30	LCS2-3040N-BRS4
LCS1-3022P-ARS4	31	LCS2-3040P-ARS4
LCS1-3022P-BRS4	32	LCS2-3040P-BRS4
LCS1-3022P-SRS4	34	LCS2-3040P-SRS4
LCS1-3022N-SRS4	33	LCS2-3040N-SRS4
LCS1-3022C-ARS4	36	LCS2-3040C-ARS4
LCS1-3022C-BRS4	74	LCS2-3040C-BRS4
HCS1-3022N-ARS4-L	29	HCS2-3040N-ARS4-L
HCS1-3022N-BRS4-L	30	HCS2-3040N-BRS4-L
HCS1-3022P-ARS4-L	31	HCS2-3040P-ARS4-L
HCS1-3022P-BRS4-L	32	HCS2-3040P-BRS4-L

Approx.111 g	Approx.121 g
--------------	--------------

M30	
●	○
22 mm	40 mm
Stainless steel	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
<1.5V	
300HZ	100HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

LCS1-3022N-AZU4	37	LCS2-3040N-AZU4
LCS1-3022N-BZU4	38	LCS2-3040N-BZU4
LCS1-3022P-AZU4	39	LCS2-3040P-AZU4
LCS1-3022P-BZU4	40	LCS2-3040P-BZU4
LCS1-3022P-SZU4	42	LCS2-3040P-SZU4
LCS1-3022N-SZU4	41	LCS2-3040N-SZU4
LCS1-3022C-AZU4	43	LCS2-3040C-AZU4
LCS1-3022C-BZU4	43	LCS2-3040C-BZU4
HCS1-3022N-AZU4-L	37	HCS2-3040N-AZU4-L
HCS1-3022N-BZU4-L	38	HCS2-3040N-BZU4-L
HCS1-3022P-AZU4-L	39	HCS2-3040P-AZU4-L
HCS1-3022P-BZU4-L	40	HCS2-3040P-BZU4-L

Approx.187 g	Approx.179 g
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AC METAL FACE INDUCTIVE PROXIMITY SWITCH

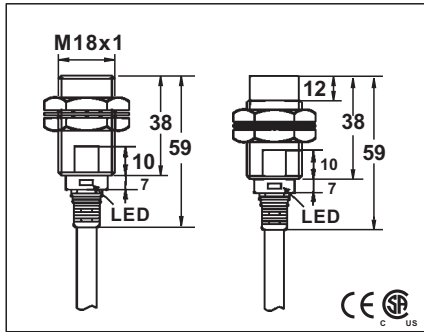
Diameter
● Shielded ○ non-Shielded
Switching Distance Sn mm
Housing Material
● With LED ○ Without LED
Dimensions (unit: mm)
Operating Voltage
Ripple
No Load Current
Max. Load Current
Leakge Current
Surge Current
Min. Load Current
Voltage Drop
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Time Delay Before Availability
EMC
Shock / Vibration
Material Active Face
AC 2 wire 20-250V N.O.
AC 2 wire 20-250V N.C.
AC 2 wire 20-250V N.O. or N.C. Changeable
AC/DC 2 wire 20-250V N.O.
AC/DC 2 wire 20-250V N.C.
AC/DC 2 wire 20-250V N.O. or N.C. Changeable
Remark
Cable 2M (PVC)
Weight

M 12		
●	○	
2 mm	4 mm	
Stainless steel		
●		
20-250VAC		
-		
<1.8mA		
400mA		
<1.8mA		
5A(20ms)		
5mA		
<8VAC AT 400mA		
25HZ		
10ms/10ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25 °C - +70 °C		
<10%(Sr)		
NO		
-		
-		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		
Stainless steel		
FCS1-1202A-A3L2	11	FCS2-1202A-A3L2
FCS1-1202A-B3L2	12	FCS2-1202A-B3L2
4 ϕ 3x0.15		
Approx.67 g	Approx.65 g	

M 12		
●	○	
2 mm	4 mm	
Stainless steel		
●		
20-250VAC		
-		
<1.8mA		
400mA		
<1.8mA		
5A(20ms)		
5mA		
<8VAC AT 400mA		
25HZ		
10ms/10ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25 °C - +70 °C		
<10%(Sr)		
NO		
-		
-		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		
Stainless steel		
FCS1-1202A-AUL3	52	FCS2-1202A-AUL3
FCS1-1202A-BUL3	52	FCS2-1202A-BUL3
Approx.62 g		
Approx.60 g		

AC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 18	
●	○
5 mm	8 mm
Stainless steel	
●	



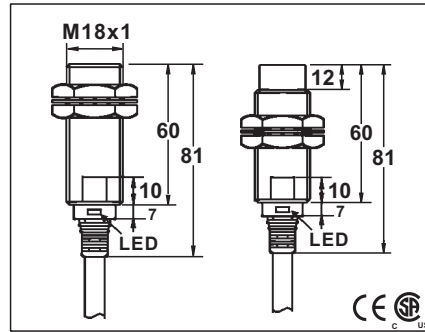
20-250VAC	
-	
<1.8mA	
400mA	
<1.8mA	
5A(20ms)	
5mA	
<8VAC AT 400MA	
<25HZ	
10ms/10ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
NO	
-	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-1805A-A3S2-W	11	FCS2-1808A-A3S2-W	
FCS1-1805A-B3S2-W	12	FCS2-1808A-B3S2-W	



5.0 ϕ 44x0.1	
Approx.132 g	Approx.134 g

M18	
●	○
5 mm	8 mm
Stainless steel	
●	



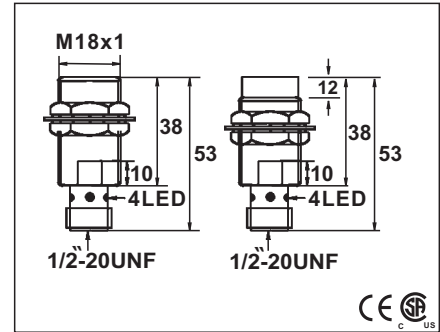
20-250VAC	
-	
<1.8mA	
400mA	
<1.8mA	
5A(20ms)	
5mA	
<8VAC AT 400MA	
<25HZ	
10ms/10ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
NO	
-	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-1805A-A3L2-W	11	FCS2-1808A-A3L2-W	
FCS1-1805A-B3L2-W	12	FCS2-1808A-B3L2-W	



5.0 ϕ 44x0.1	
Approx.153 g	Approx.144 g

M 18	
●	○
5 mm	8 mm
Stainless steel	
●	



20-250VAC	
-	
<1.8mA	
400mA	
<1.8mA	
5A(20ms)	
5mA	
<8VAC AT 200MA	
<25HZ	
10ms/10ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
NO	
-	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

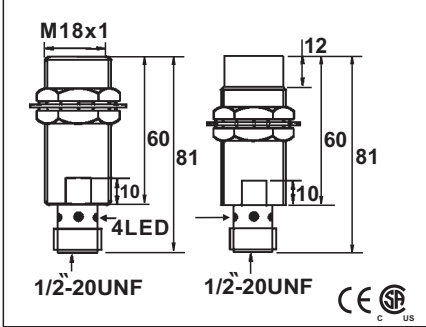
FCS1-1805A-AUS3-W	52	FCS2-1808A-AUS3-W	
FCS1-1805A-BUS3-W	52	FCS2-1808A-BUS3-W	



5.0 ϕ 44x0.1	
Approx.50 g	Approx.50 g

AC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 18	
●	○
5 mm	8mm
Stainless steel	
●	



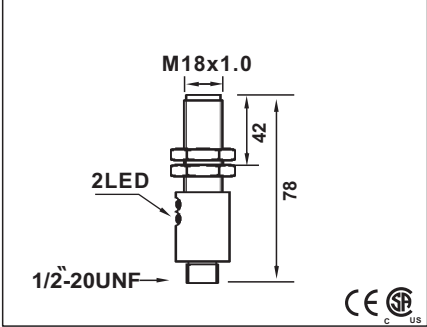
20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 200MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
160MT
RFI>10V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-1805A-AUL3-W	52	FCS2-1808A-AUL3-W	52
FCS1-1805A-BUL3-W	52	FCS2-1808A-BUL3-W	52

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Approx.94 g	Approx.91 g
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M 18
●
5 mm
Stainless steel
●



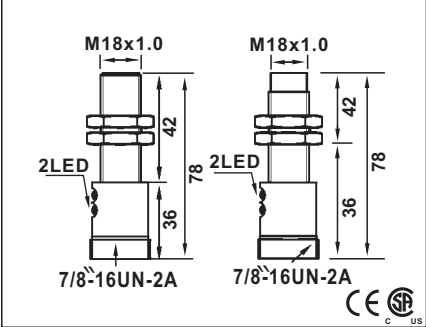
20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 200MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
160MT
RFI>10V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-1805A-AUS3/2-W	52
FCS1-1805A-BUS3/2-W	52

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Approx.94 g

M 18	
●	○
5 mm	8 mm
Stainless steel	
●	



20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 200MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
160MT
RFI>10V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

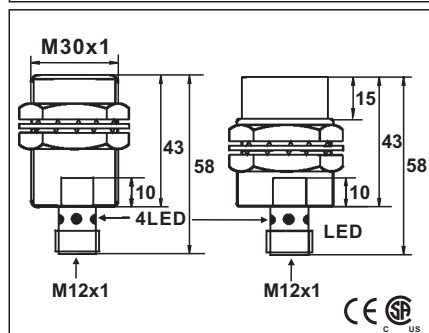
FCS1-1805A-AZS3/2-W	61	FCS2-1808A-AZS3/2-W	61
FCS1-1805A-BZS3/2-W	61	FCS2-1808A-BZS3/2-W	61

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Approx.251 g

AC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 30	
●	○
10 mm	15 mm
Stainless steel	
●	

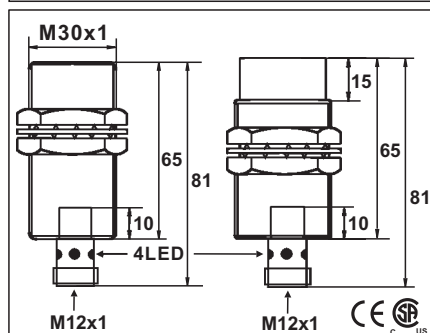


20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC at 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-3010A-ARS4-W	51	FCS2-3015A-ARS4-W
FCS1-3010A-BRS4-W	51	FCS2-3015A-BRS4-W

Approx.111 g	Approx.121 g
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M 30	
●	○
10 mm	15 mm
Stainless steel	
●	

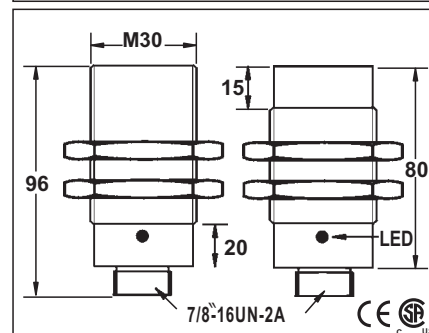


20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC at 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-3010A-ARU4-W	51	FCS2-3015A-ARU4-W
FCS1-3010A-BRU4-W	51	FCS2-3015A-BRU4-W

Approx.187 g	Approx.179 g
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M 30	
●	○
10 mm	15 mm
Stainless steel	
●	



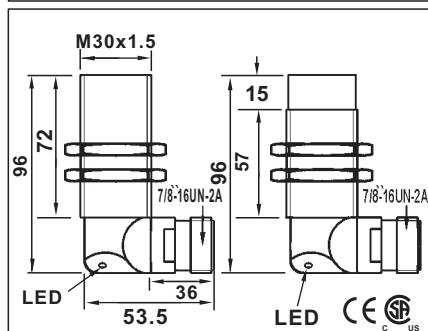
20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC at 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-3010A-AZU4-W	61	FCS2-3015A-AZU4-W
FCS1-3010A-BZU4-W	61	FCS2-3015A-BZU4-W

Approx.187 g	Approx.179 g
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AC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 30	
●	○
10 mm	15 mm
Stainless steel	
●	

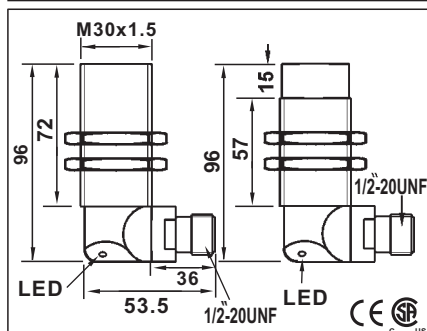


20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
NO
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-3010A-AZL3Y-W	61	FCS2-3015A-AZL3Y-W
FCS1-3010A-BZL3Y-W	61	FCS2-3015A-BZL3Y-W

Approx.311 g	Approx.356 g
--------------	--------------

M 30	
●	○
10 mm	15 mm
Stainless steel	
●	

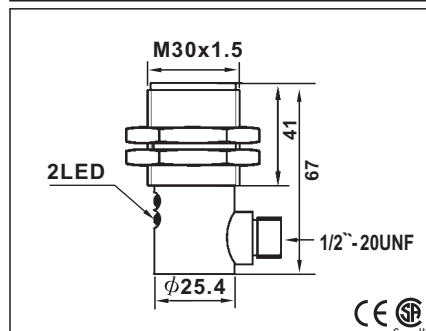


20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
NO
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-3010A-AUL3Y-W	52	FCS2-3015A-AUL3Y-W
FCS1-3010A-BUL3Y-W	52	FCS2-3015A-BUL3Y-W

Approx.311 g	Approx.356 g
--------------	--------------

M 30	
●	○
10 mm	15 mm
Stainless steel	
●	



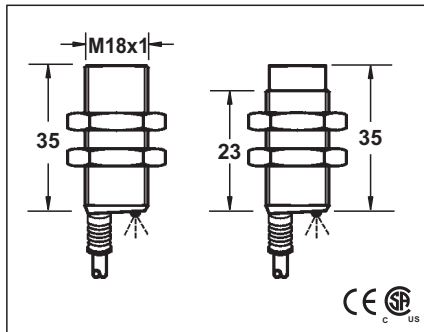
20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 200MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
NO
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-3010A-AUL3Y/2-W	52	
FCS1-3010A-BUL3Y/2-W	52	

Approx.250 g

AC METAL FACE EXTENDED SENSING DISTANCE PROXIMITY SWITCH

M 18	
●	○
8 mm	16 mm
stainless steel	
●	

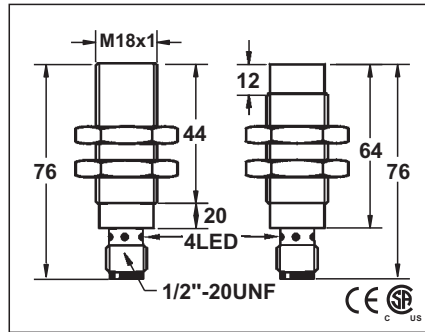


20-250VAC	
-	
<1.8mA	
400mA	
<1.8mA	
5A(20ms)	
5mA	
<8VAC AT 400mA	
<25HZ	
10ms/10ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C -+70°C	
<10%(Sr)	
NO	
-	
-	
RFI>3V/m / EFT>1KV / ESD>4KV(contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

ECS1-1808A-A3S2	11	FCS2-1816A-A3S2
ECS1-1808A-B3S2	12	FCS2-1816A-B3S2

5.0φ44x0.1	
Approx.156 g	Approx.146 g

M 18	
●	○
8 mm	16 mm
stainless steel	
●	

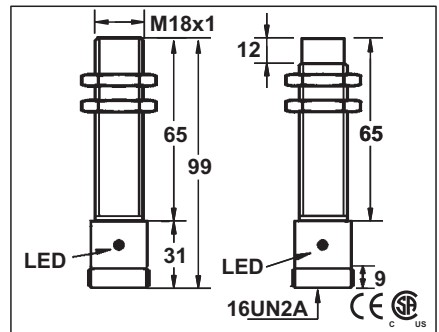


20-250VAC	
-	
<1.8mA	
400mA	
<1.8mA	
5A(20ms)	
5mA	
<8VAC AT 400mA	
<25HZ	
10ms/10ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C -+70°C	
<10%(Sr)	
NO	
-	
-	
RFI>3V/m / EFT>1KV / ESD>4KV(contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

ECS1-1808A-AUL3	52	ECS2-1816A-AUL3
ECS1-1808A-BUL3	52	ECS2-1816A-BUL3

Approx.69 g		Approx.68 g	
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M 18	
●	○
8 mm	16 mm
stainless steel	
●	



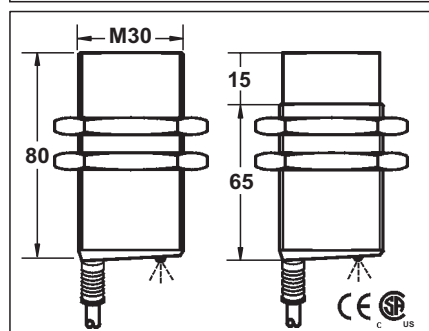
20-250VAC	
-	
<1.8mA	
400mA	
<1.8mA	
5A(20ms)	
5mA	
<8VAC AT 400mA	
<25HZ	
10ms/10ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C -+70°C	
<10%(Sr)	
NO	
-	
-	
RFI>3V/m / EFT>1KV / ESD>4KV(contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

ECS1-1808A-AZL3	61	ECS2-1816A-AZL3
ECS1-1808A-BZL3	61	ECS2-1816A-BZL3

Approx.94 g		Approx.91 g	
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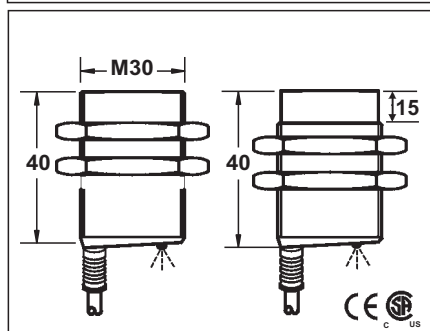
AC METAL FACE EXTENDED SENSING DISTANCE PROXIMITY SWITCH

M 30	
●	○
16 mm	25 mm
stainless steel	
●	



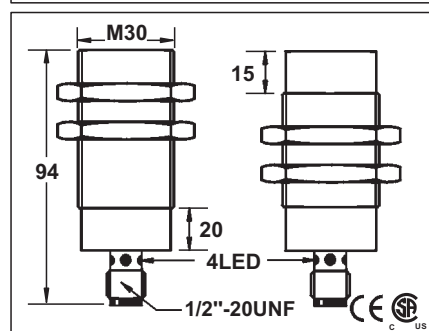
20-250VAC		
-		
<1.8mA		
400mA		
<1.8mA		
5A(20ms)		
5mA		
<8VAC AT 400mA		
<25HZ		
10ms/10ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25°C - +70°C		
<10%(Sr)		
NO		
-		
-		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2		
Stainless steel		
ECS1-3016A-A3L2	11	ECS2-3025A-A3L2
ECS1-3016A-B3L2	12	ECS2-3025A-B3L2
5.8 φ 3x0.5		
Approx.247 g	Approx.237 g	

M 30	
●	○
16 mm	25 mm
stainless steel	
●	



20-250VAC		
-		
<1.8mA		
400mA		
<1.8mA		
5A(20ms)		
5mA		
<8VAC AT 400mA		
<25HZ		
10ms/10ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25°C - +70°C		
<10%(Sr)		
NO		
-		
-		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2		
Stainless steel		
ECS1-3016A-A3S2	11	ECS2-3025A-A3S2
ECS1-3016A-B3S2	12	ECS2-3025A-B3S2
5.8 φ 3x0.5		
Approx.209 g	Approx.208 g	

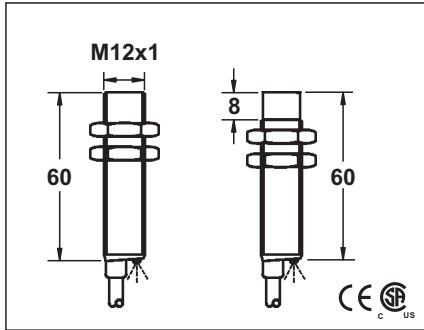
M 30	
●	○
16 mm	25 mm
stainless steel	
●	



20-250VAC		
-		
<1.8mA		
400mA		
<1.8mA		
5A(20ms)		
5mA		
<8VAC AT 400mA		
<25HZ		
10ms/10ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25°C - +70°C		
<10%(Sr)		
NO		
-		
-		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2		
Stainless steel		
ECS1-3016A-AUL3	52	ECS2-3025A-AUL3
ECS1-3016A-BUL3	52	ECS2-3025A-BUL3
5.8 φ 3x0.5		
Approx.147 g	Approx.137 g	

AC METAL FACE LONG SENSING DISTANCE PROXIMITY SWITCH

M 12	
●	○
6 mm	10 mm
Stainless steel	
●	

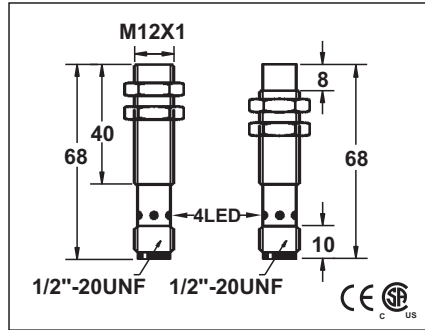


20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 400mA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

LCS1-1206A-A3L2	11	LCS2-1210A-A3L2
LCS1-1206A-B3L2	12	LCS2-1210A-B3L2

4 φ 3x0.15	
Approx.77 g	Approx.76 g

M 12	
●	○
6 mm	10 mm
Stainless steel	
●	

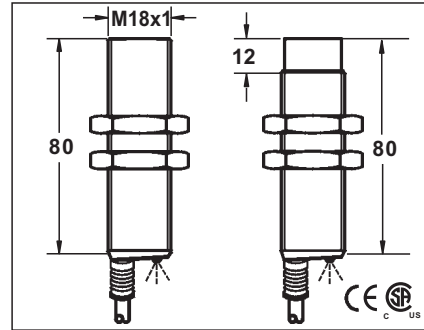


20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 400mA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

LCS1-1206A-AUL3	52	LCS2-1210A-AUL3
LCS1-1206A-BUL3	52	LCS2-1210A-BUL3

4 φ 3x0.15	
Approx.31 g	Approx.30 g

M 18	
●	○
12 mm	20 mm
Stainless steel	
●	



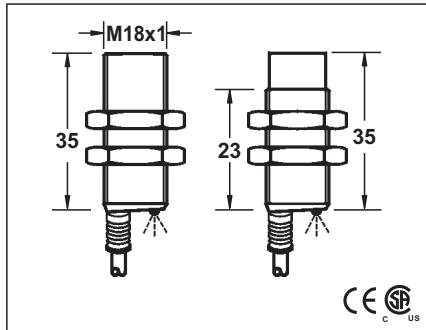
20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 400mA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

LCS1-1812A-A3L2	11	LCS2-1820A-A3L2
LCS1-1812A-B3L2	12	LCS2-1820A-B3L2

5.0 φ 44x0.1	
Approx.161 g	Approx.160 g

AC/DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 18	
●	○
5 mm	8 mm
stainless steel	

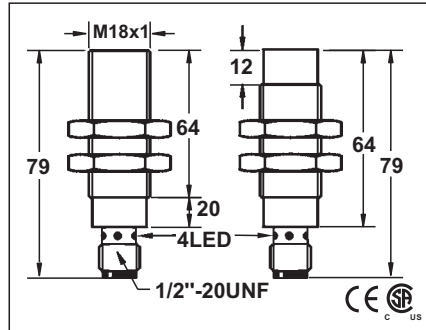


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC ; <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15%(Sr)
<1.0% (Sr)
IP67
-25°C- +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-1805U-A3S2	11	FCS2-1808U-A3S2
FCS1-1805U-B3S2	12	FCS2-1808U-B3S2

5.0φ 44x0.1	
Approx.132 g	Approx.134 g

M 18	
●	○
5 mm	8 mm
stainless steel	

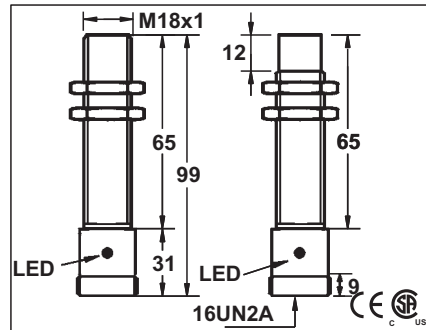


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC ; <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15%(Sr)
<1.0% (Sr)
IP67
-25°C- +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-1805U-AUU3	52	FCS2-1808U-AUU3
FCS1-1805U-BUU3	52	FCS2-1808U-BUU3

Approx.69 g		Approx.68 g
-------------	--	-------------

M 18	
●	○
5 mm	8 mm
stainless steel	



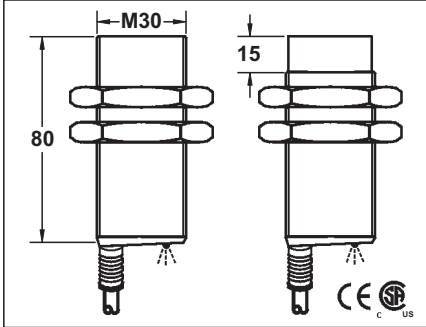
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC ; <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15%(Sr)
<1.0% (Sr)
IP67
-25°C- +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-1805U-AZU3	61	FCS2-1808U-AZU3
FCS1-1805U-BZU3	61	FCS2-1808U-BZU3

Approx.94 g		Approx.91 g
-------------	--	-------------

AC/DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 30	
●	○
10 mm	15mm
stainless steel	

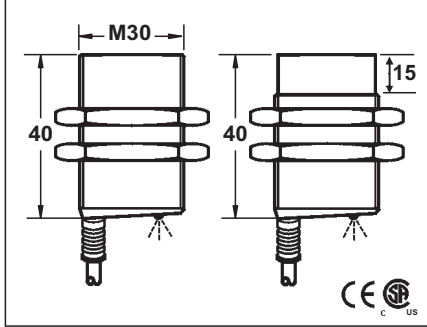


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC ; <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15%(Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-3010U-A3U2	11	FCS2-3015U-A3U2
FCS1-3010U-B3U2	12	FCS2-3015U-B3U2

5.8 φ3x0.5	
approx.247g	approx.237g

M 30	
●	○
10 mm	15 mm
stainless steel	

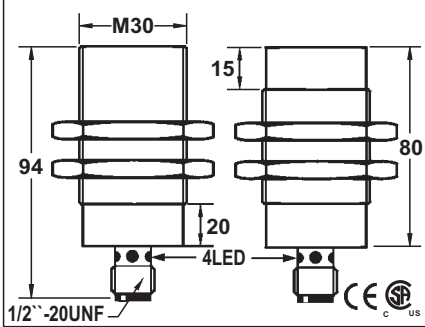


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC ; <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15%(Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-3010U-A3S2	11	FCS2-3015U-A3S2
FCS1-3010U-B3S2	12	FCS2-3015U-B3S2

5.8 φ3x0.5	
Approx.209 g	Approx.199 g

M 30	
●	○
10 mm	15 mm
stainless steel	



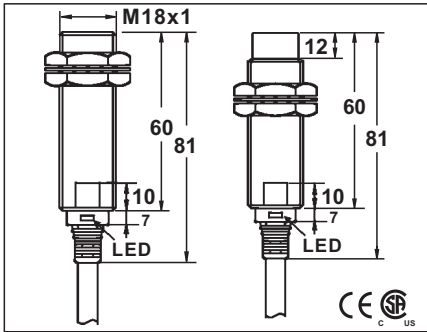
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC ; <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15%(Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-3010U-AUU3	52	FCS2-3015U-AUU3
FCS1-3010U-BUU3	52	FCS2-3015U-BUU3

5.8 φ3x0.5	
approx.147g	approx.137g

AC/DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M18	
5 mm	8 mm
Stainless steel	

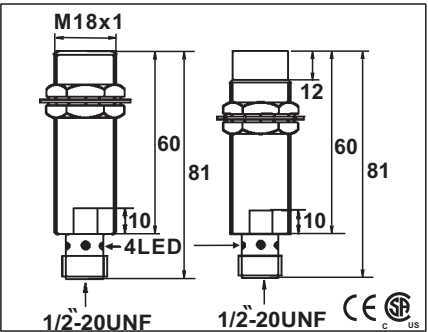


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
Stainless steel

FCS1-1805U-A3L2-W	11	FCS2-1808U-A3L2-W	
FCS1-1805U-B3L2-W	12	FCS2-1808U-B3L2-W	

5.0 ϕ 44x0.1	
Approx.153 g	Approx.144 g

M 18	
5 mm	8mm
Stainless steel	

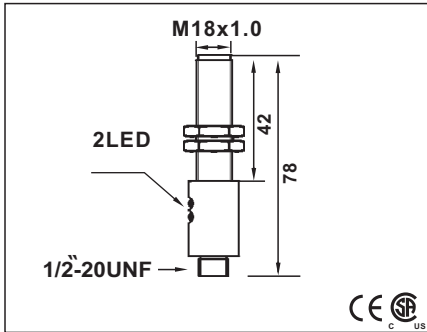


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
Stainless steel

FCS1-1805U-AUL3-W	52	FCS2-1808U-AUL3-W	
FCS1-1805U-BUL3-W	52	FCS2-1808U-BUL3-W	

Approx.94 g		Approx.91 g	
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M 18	
5 mm	
Stainless steel	



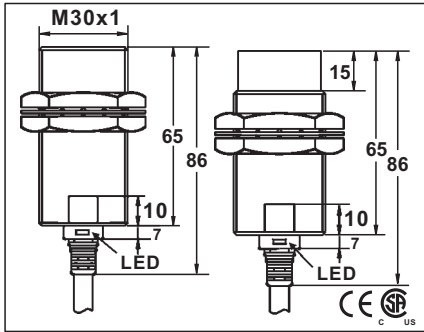
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
Stainless steel

FCS1-1805U-AUL3/2-W		52	
FCS1-1805U-BUL4/2-W		52	

Approx.91 g			
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AC/DC METAL FACE INDUCTIVE PROXIMITY SWITCH

M 30	
10 mm	15 mm
Stainless steel	

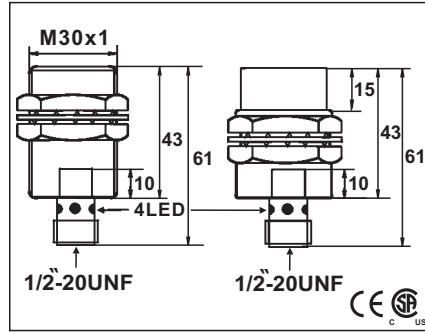


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25 °C - +70 °C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-3010U-A3L2-W	11	FCS2-3015U-A3L2-W	
FCS1-3010U-B3L2-W	12	FCS2-3015U-B3L2-W	

5.8φ3x0.5	
Approx.227 g	Approx.217 g

M 30	
10 mm	15 mm
Stainless steel	

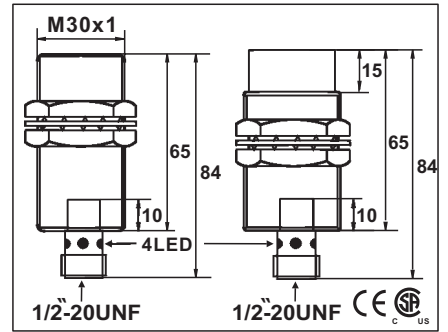


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25 °C - +70 °C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-3010U-AUS3-W	52	FCS2-3015U-AUS3-W	
FCS1-3010U-BUS3-W	52	FCS2-3015U-BUS3-W	

Approx.111 g		Approx.121 g	
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M 30	
10 mm	15 mm
Stainless steel	



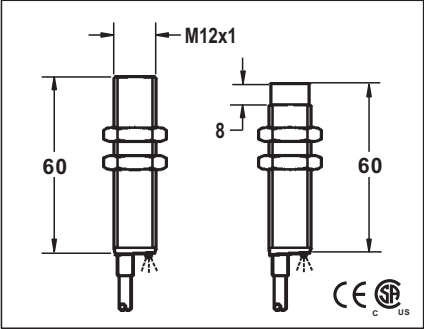
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25 °C - +70 °C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-3010U-AUL3-W	52	FCS2-3015U-AUL3-W	
FCS1-3010U-BUL3-W	52	FCS2-3015U-BUL3-W	

Approx.187 g		Approx.179 g	
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AC/DC METAL FACE EXTENDED DISTANCE PROXIMITY SWITCH

M 12	
●	○
4 mm	8 mm
stainless steel	
●	

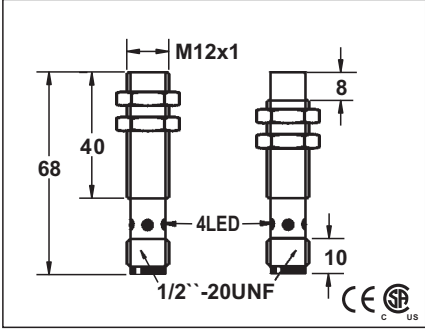


20-250 VAC, 50-60 Hz; 20-250 VDC	
DC RIPPLE <10%	
<2.5mA	
100mA	
<2.5mA	
2.2A for 20ms	
5mA	
<=10 VAC : <=8 VDC	
25HZ AC; 40 Hz DC	
10ms/10ms	
<15%(Sr)	
<1.0% (Sr)	
IP67	
-25°C- +70°C	
<10% (Sr)	
YES(DC 20-30V ONLY)	
-	
-	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

ECS1-1204U-A3U2	11	ECS2-1208U-A3U2
ECS1-1204U-B3U2	12	ECS2-1208U-B3U2

4 φ 3x0.15	
Approx.77g	Approx.76g

M 12	
●	○
4 mm	8 mm
stainless steel	
●	

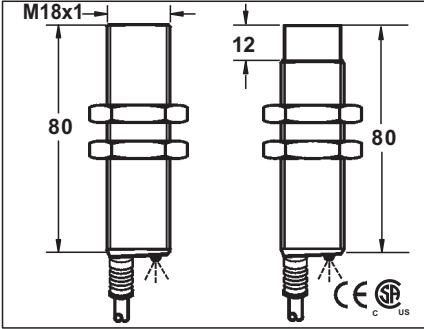


20-250 VAC, 50-60 Hz; 20-250 VDC	
DC RIPPLE <10%	
<2.5mA	
100mA	
<2.5mA	
2.2A for 20ms	
5mA	
<=10 VAC : <=8 VDC	
25HZ AC; 40 Hz DC	
10ms/10ms	
<15%(Sr)	
<1.0% (Sr)	
IP67	
-25°C- +70°C	
<10% (Sr)	
YES(DC 20-30V ONLY)	
-	
-	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

ECS1-1204U-AU3	52	ECS2-1208U-AU3
ECS1-1204U-BU3	52	ECS2-1208U-BU3

approx.30g		approx.29g	
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M 18	
●	○
8 mm	16 mm
stainless steel	
●	



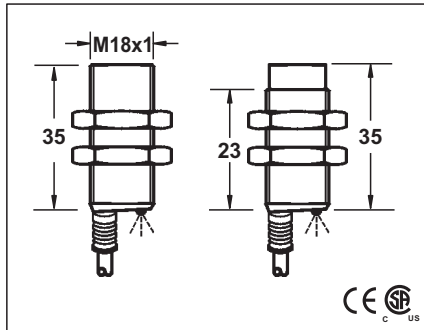
20-250 VAC, 50-60 Hz; 20-250 VDC	
DC RIPPLE <10%	
<2.5mA	
200mA	
<2.5mA	
2.2A for 20ms	
5mA	
<=10 VAC : <=8 VDC	
25HZ AC; 40 Hz DC	
10ms/10ms	
<15%(Sr)	
<1.0% (Sr)	
IP67	
-25°C- +70°C	
<10% (Sr)	
YES	
-	
-	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

ECS1-1808U-A3U2	11	ECS2-1816U-A3U2
ECS1-1808U-B3U2	12	ECS2-1816U-B3U2

5.0 φ 44x0.1	
approx.161g	approx.160g

AC/DC METAL FACE EXTENDED DISTANCE PROXIMITY SWITCH

M 18	
●	○
5 mm	8 mm
stainless steel	



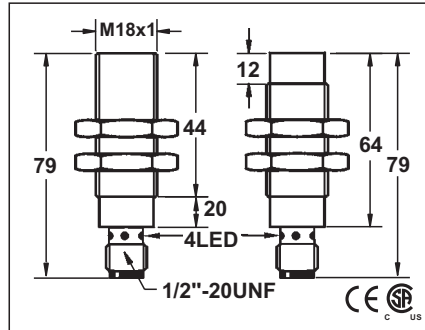
20-250 VAC, 50-60 Hz; 20-250 VDC	
DC RIPPLE <10%	
<2.5mA	
200mA	
<2.5mA	
2.2A for 20ms	
5mA	
<=10 VAC : <=8 VDC	
25HZ AC; 40 Hz DC	
10ms/10ms	
<15%(Sr)	
<1.0% (Sr)	
IP67	
-25°C- +70°C	
<10% (Sr)	
YES	
-	
-	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

ECS1-1808U-A3S2	11	ECS2-1816U-A3S2
ECS1-1808U-B3S2	12	ECS2-1816U-B3S2



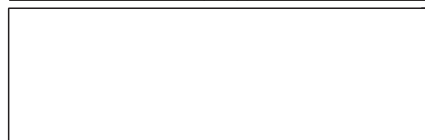
5.0φ 44x0.1	
Approx.132 g	Approx.134 g

M 18	
●	○
5 mm	8 mm
stainless steel	



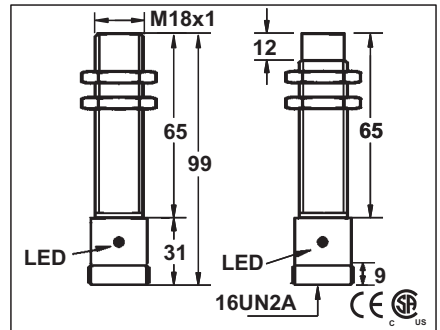
20-250 VAC, 50-60 Hz; 20-250 VDC	
DC RIPPLE <10%	
<2.5mA	
200mA	
<2.5mA	
2.2A for 20ms	
5mA	
<=10 VAC : <=8 VDC	
25HZ AC; 40 Hz DC	
10ms/10ms	
<15%(Sr)	
<1.0% (Sr)	
IP67	
-25°C- +70°C	
<10% (Sr)	
YES	
-	
-	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

ECS1-1808U-AUU3	52	ECS2-1816U-AUU3
ECS1-1808U-BUU3	52	ECS2-1816U-BUU3



Approx.69 g	Approx.68 g
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M 18	
●	○
5 mm	8 mm
stainless steel	



20-250 VAC, 50-60 Hz; 20-250 VDC	
DC RIPPLE <10%	
<2.5mA	
200mA	
<2.5mA	
2.2A for 20ms	
5mA	
<=10 VAC : <=8 VDC	
25HZ AC; 40 Hz DC	
10ms/10ms	
<15%(Sr)	
<1.0% (Sr)	
IP67	
-25°C- +70°C	
<10% (Sr)	
YES	
-	
-	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

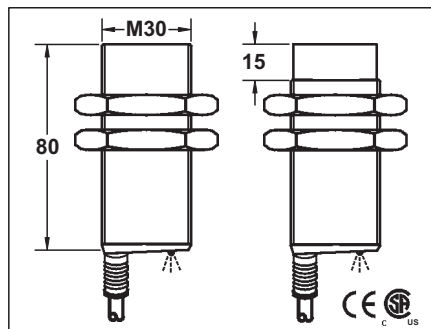
ECS1-1808U-AZU3	61	ECS2-1816U-AZU3
ECS1-1808U-BZU3	61	ECS2-1816U-BZU3



Approx.94 g	Approx.91 g
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AC/DC METAL FACE EXTENDED DISTANCE PROXIMITY SWITCH

M 30	
●	○
16 mm	25mm
stainless steel	
●	

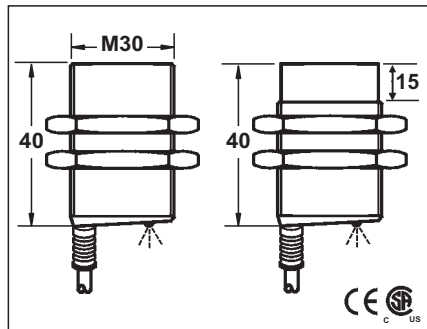


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15%(Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

ECS1-3016U-A3U2	11	ECS2-3025U-A3U2
ECS1-3016U-B3U2	12	ECS2-3025U-B3U2

5.8 φ3x0.5	
approx.247g	approx.237g

M 30	
●	○
16 mm	25 mm
stainless steel	
●	

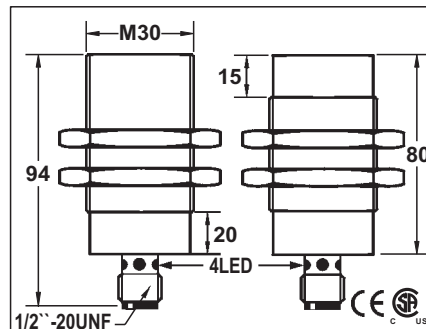


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15%(Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

ECS1-3016U-A3S2	11	ECS2-3025U-A3S2
ECS1-3016U-B3S2	12	ECS2-3025U-B3S2

5.8 φ3x0.5	
Approx.209 g	Approx.199 g

M 30	
●	○
16 mm	25 mm
stainless steel	
●	



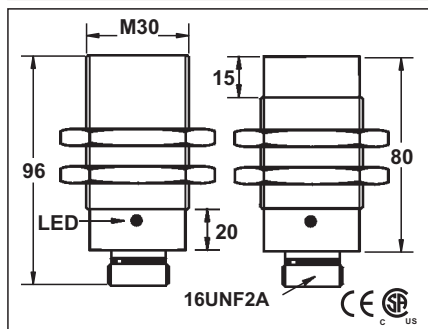
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15%(Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

ECS1-3016U-AUU3	52	ECS2-3025U-AUU3
ECS1-3016U-BUU3	52	ECS2-3025U-BUU3

5.8 φ3x0.5	
approx.147g	approx.137g

AC/DC METAL FACE EXTENDED DISTANCE PROXIMITY SWITCH

M 30	
●	○
10 mm	15 mm
Stainless steel	
●	



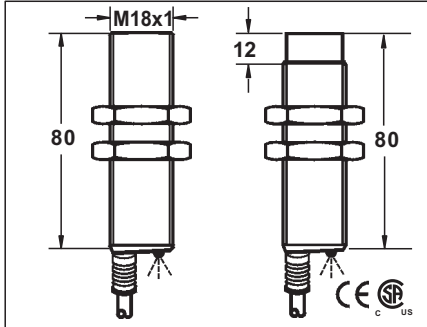
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC ; <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15%(Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
Stainless steel

ECS1-3010U-AZU3	61	ECS2-3015U-AZU3
ECS1-3010U-BZU3	61	ECS2-3015U-BZU3

Approx.187 g		Approx.179 g	
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AC/DC METAL FACE LONG SENSING DISTANCE PROXIMITY SWITCH

M 18	
●	○
12 mm	20 mm
stainless steel	

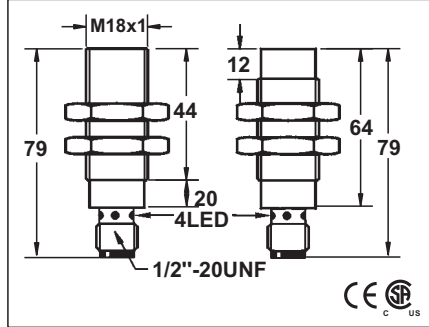


20-250 VAC, 50-60 Hz; 20-250 VDC		
DC RIPPLE <10%		
<2.5mA		
200mA		
<2.5mA		
2.2A for 20ms		
5mA		
<=10 VAC :<=8 VDC		
25HZ AC; 40 Hz DC		
10ms/10ms		
<15%(Sr)		
<1.0% (Sr)		
IP67		
-25°C- +70°C		
<10% (Sr)		
YES		
-		
-		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		
Stainless steel		

LCS1-1812U-A3U2	11	LCS2-1820U-A3U2
LCS1-1812U-B3U2	12	LCS2-1820U-B3U2

5.0 φ44x0.1	
approx.161g	approx.160g

M 18	
●	○
12 mm	20 mm
stainless steel	

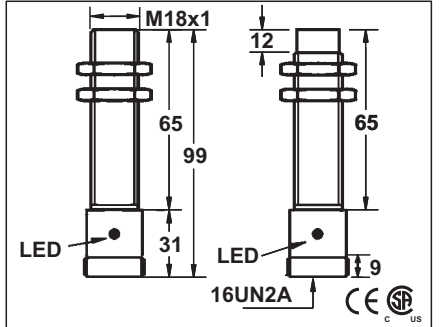


20-250 VAC, 50-60 Hz; 20-250 VDC		
DC RIPPLE <10%		
<2.5mA		
200mA		
<2.5mA		
2.2A for 20ms		
5mA		
<=10 VAC :<=8 VDC		
25HZ AC; 40 Hz DC		
10ms/10ms		
<15%(Sr)		
<1.0% (Sr)		
IP67		
-25°C- +70°C		
<10% (Sr)		
YES		
-		
-		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		
Stainless steel		

LCS1-1812U-AUJ3	52	LCS2-1820U-AUJ3
LCS1-1812U-BUJ3	52	LCS2-1820U-BUJ3

5.0 φ44x0.1	
Approx.69 g	Approx.68 g

M 18	
●	○
12 mm	20 mm
stainless steel	



20-250 VAC, 50-60 Hz; 20-250 VDC		
DC RIPPLE <10%		
<2.5mA		
200mA		
<2.5mA		
2.2A for 20ms		
5mA		
<=10 VAC :<=8 VDC		
25HZ AC; 40 Hz DC		
10ms/10ms		
<15%(Sr)		
<1.0% (Sr)		
IP67		
-25°C- +70°C		
<10% (Sr)		
YES		
-		
-		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		
Stainless steel		

LCS1-1812U-AZU3	61	LCS2-1820U-AZU3
LCS1-1812U-BZU3	61	LCS2-1820U-BZU3

5.0 φ44x0.1	
Approx.94 g	Approx.91 g

DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

Diameter
● Shielded ○ non-Shielded
Switching Distance Sn mm
Housing Material
● With LED ○ Without LED

Dimensions (unit: mm)

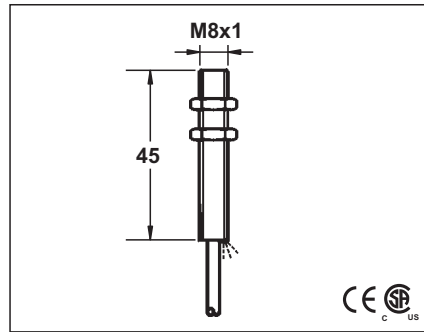
Operating Voltage
Ripple
No Load Current
Max. Load Current
Leakge Current
Surge Current
Min. Load Current
Voltage Drop
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Time Delay Before Availability
EMC
Shock / Vibration
Material Active Face

DC 3 wire 10-30V NPN N.O. FERROUS ONLY SENSING
DC 3 wire 10-30V NPN N.C. FERROUS ONLY SENSING
DC 3 wire 10-30V PNP N.O. FERROUS ONLY SENSING
DC 3 wire 10-30V PNP N.C. FERROUS ONLY SENSING
DC 3 wire 10-30V NPN N.O. NON-FERROUS ONLY SENSING
DC 3 wire 10-30V NPN N.C. NON-FERROUS ONLY SENSING
DC 3 wire 10-30V PNP N.O. NON-FERROUS ONLY SENSING
DC 3 wire 10-30V PNP N.C. NON-FERROUS ONLY SENSING
DC 2 wire 10-60V N.O. FERROUS ONLY SENSING
DC 2 wire 10-60V N.C. FERROUS ONLY SENSING
DC 2 wire 10-60V N.O. NON-FERROUS ONLY SENSING
DC 2 wire 10-60V N.C. NON-FERROUS ONLY SENSING
AC/DC 2 wire 20-250V N.O. FERROUS ONLY SENSING
AC/DC 2 wire 20-250V N.C. FERROUS ONLY SENSING
AC/DC 2 wire 20-250V N.O. NON-FERROUS ONLY SENSING
AC/DC 2 wire 20-250V N.C. NON-FERROUS ONLY SENSING

Remark

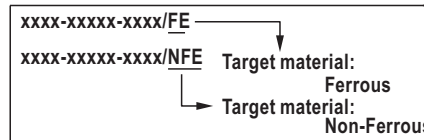
Cable 2M (PVC)
Weight

M 8
●
1.5 mm
Stainless steel
●



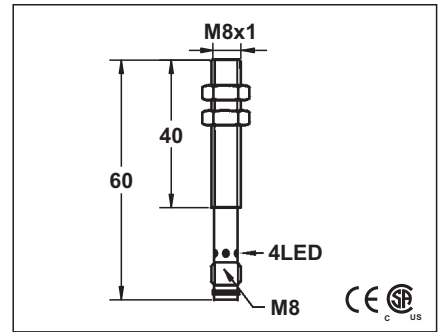
10-30VDC
<10%
≤ 10mA
200mA
<0.01mA
-
-
<1.5V
0 ...80 HZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-081.5N-A3U2/FE	1
FCS1-081.5N-B3U2/FE	2
FCS1-081.5P-A3U2/FE	3
FCS1-081.5P-B3U2/FE	4
FCS1-081.5N-A3U2/NFE	1
FCS1-081.5N-B3U2/NFE	2
FCS1-081.5P-A3U2/NFE	3
FCS1-081.5P-B3U2/NFE	4
FCS1-081.5C-A2U2/FE	7
FCS1-081.5C-B2U2/FE	8
FCS1-081.5C-A2U2/NFE	7
FCS1-081.5C-B2U2/NFE	8



3 φ 3x0.15
Approx.33g

M 8
●
1.5 mm
Stainless steel
●



10-30VDC
<10%
≤ 10mA
200mA
<0.01mA
-
-
<1.5V
0 ...80 HZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

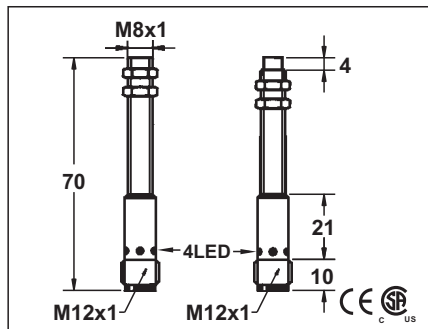
FCS1-081.5N-ACU3/FE	25
FCS1-081.5N-BCU3/FE	25
FCS1-081.5P-ACU3/FE	26
FCS1-081.5P-BCU3/FE	26
FCS1-081.5N-ACU3/NFE	25
FCS1-081.5N-BCU3/NFE	25
FCS1-081.5P-ACU3/NFE	26
FCS1-081.5P-BCU3/NFE	26
FCS1-081.5C-ACU3/FE	35
FCS1-081.5C-BCU3/FE	73
FCS1-081.5C-ACU3/NFE	35
FCS1-081.5C-BCU3/NFE	73

Correction factors					
Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

5.0 φ 44x0.1
Approx.32g

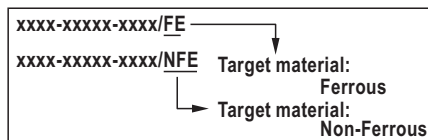
DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

M 8
●
1.5 mm
Stainless steel
●



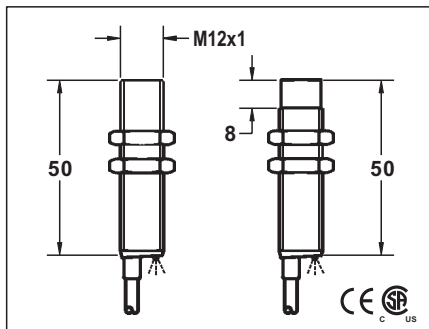
10-30VDC
<10%
≤ 10mA
200mA
<0.01mA
-
-
<1.5V
0 ...80 HZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-081.5N-ARU4/FE	29
FCS1-081.5N-BRU4/FE	30
FCS1-081.5P-ARU4/FE	31
FCS1-081.5P-BRU4/FE	32
FCS1-081.5N-ARU4/NFE	29
FCS1-081.5N-BRU4/NFE	30
FCS1-081.5P-ARU4/NFE	31
FCS1-081.5P-BRU4/NFE	32
FCS1-081.5C-ARU4/FE	36
FCS1-081.5C-BRU4/FE	74
FCS1-081.5C-ARU4/NFE	36
FCS1-081.5C-BRU4/NFE	74



Approx.33 g

M 12	
●	○
2 mm	4 mm
stainless steel	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

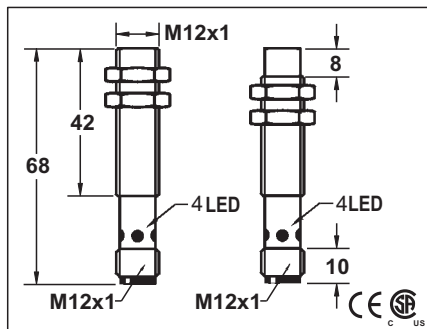
FCS1-1202N-A3U2/FE	1	FCS2-1204N-A3U2/FE
FCS1-1202N-B3U2/FE	2	FCS2-1204N-B3U2/FE
FCS1-1202P-A3U2/FE	3	FCS2-1204P-A3U2/FE
FCS1-1202P-B3U2/FE	4	FCS2-1204P-B3U2/FE
FCS1-1202N-A3U2/NFE	1	FCS2-1204N-A3U2/NFE
FCS1-1202N-B3U2/NFE	2	FCS2-1204N-B3U2/NFE
FCS1-1202P-A3U2/NFE	3	FCS2-1204P-A3U2/NFE
FCS1-1202P-B3U2/NFE	4	FCS2-1204P-B3U2/NFE
FCS1-1202C-A2U2/FE	7	FCS2-1204C-A2U2/FE
FCS1-1202C-B2U2/FE	8	FCS2-1204C-B2U2/FE
FCS1-1202C-A2U2/NFE	7	FCS2-1204C-A2U2/NFE
FCS1-1202C-B2U2/NFE	8	FCS2-1204C-B2U2/NFE

Correction factors

Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

4 φ3x0.15	
approx.67 g	approx.65 g

M 12	
●	○
2 mm	4 mm
stainless steel	
●	



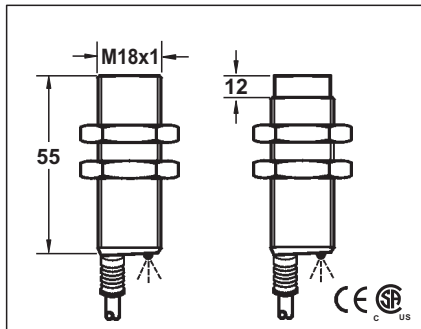
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-1202N-ARU4/FE	29	FCS2-1204N-ARU4/FE
FCS1-1202N-BRU4/FE	30	FCS2-1204N-BRU4/FE
FCS1-1202P-ARU4/FE	31	FCS2-1204P-ARU4/FE
FCS1-1202P-BRU4/FE	32	FCS2-1204P-BRU4/FE
FCS1-1202N-ARU4/NFE	29	FCS2-1204N-ARU4/NFE
FCS1-1202N-BRU4/NFE	30	FCS2-1204N-BRU4/NFE
FCS1-1202P-ARU4/NFE	31	FCS2-1204P-ARU4/NFE
FCS1-1202P-BRU4/NFE	32	FCS2-1204P-BRU4/NFE
FCS1-1202C-ARU4/FE	36	FCS2-1204C-ARU4/FE
FCS1-1202C-BRU4/FE	74	FCS2-1204C-BRU4/FE
FCS1-1202C-ARU4/NFE	36	FCS2-1204C-ARU4/NFE
FCS1-1202C-BRU4/NFE	74	FCS2-1204C-BRU4/NFE

approx.31 g	approx.30 g
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DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

M 18	
●	○
5 mm	8 mm
stainless steel	
●	



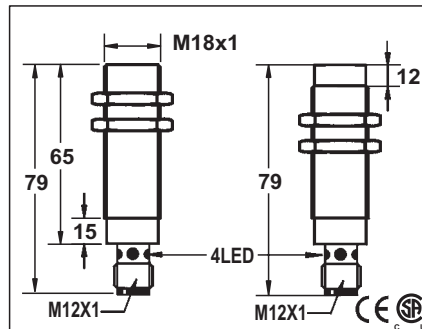
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-1805N-A3U2/FE	1	FCS2-1808N-A3U2/FE
FCS1-1805N-B3U2/FE	2	FCS2-1808N-B3U2/FE
FCS1-1805P-A3U2/FE	3	FCS2-1808P-A3U2/FE
FCS1-1805P-B3U2/FE	4	FCS2-1808P-B3U2/FE
FCS1-1805N-A3U2/NFE	1	FCS2-1808N-A3U2/NFE
FCS1-1805N-B3U2/NFE	2	FCS2-1808N-B3U2/NFE
FCS1-1805P-A3U2/NFE	3	FCS2-1808P-A3U2/NFE
FCS1-1805P-B3U2/NFE	4	FCS2-1808P-B3U2/NFE
FCS1-1805C-A2U2/FE	7	FCS2-1808C-A2U2/FE
FCS1-1805C-B2U2/FE	8	FCS2-1808C-B2U2/FE
FCS1-1805C-A2U2/NFE	7	FCS2-1808C-A2U2/NFE
FCS1-1805C-B2U2/NFE	8	FCS2-1808C-B2U2/NFE

xxxx-xxxx-xxxx/FE	Target material: Ferrous
xxxx-xxxx-xxxx/NFE	

5.0 φ44x0.1	
approx.153 g	approx.144 g

M 18	
●	○
5 mm	8 mm
stainless steel	
●	



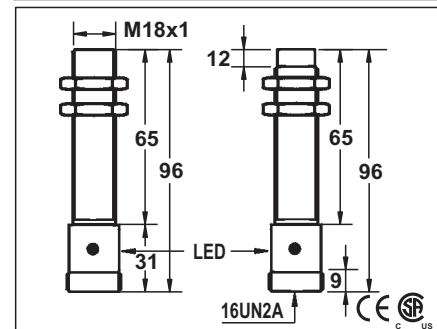
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-1805N-ARU4/FE	29	FCS2-1808N-ARU4/FE
FCS1-1805N-BRU4/FE	30	FCS2-1808N-BRU4/FE
FCS1-1805P-ARU4/FE	31	FCS2-1808P-ARU4/FE
FCS1-1805P-BRU4/FE	32	FCS2-1808P-BRU4/FE
FCS1-1805N-ARU4/NFE	29	FCS2-1808N-ARU4/NFE
FCS1-1805N-BRU4/NFE	30	FCS2-1808N-BRU4/NFE
FCS1-1805P-ARU4/NFE	31	FCS2-1808P-ARU4/NFE
FCS1-1805P-BRU4/NFE	32	FCS2-1808P-BRU4/NFE
FCS1-1805C-ARU4/FE	36	FCS2-1808C-ARU4/FE
FCS1-1805C-BRU4/FE	74	FCS2-1808C-BRU4/FE
FCS1-1805C-ARU4/NFE	36	FCS2-1808C-ARU4/NFE
FCS1-1805C-BRU4/NFE	74	FCS2-1808C-BRU4/NFE

Correction factors					
Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

approx.94 g		approx.91 g	
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M 18	
●	○
5 mm	8 mm
stainless steel	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
Stainless steel	

FCS1-1805N-AZU4/FE	37	FCS2-1808N-AZU4/FE
FCS1-1805N-BZU4/FE	38	FCS2-1808N-BZU4/FE
FCS1-1805P-AZU4/FE	39	FCS2-1808P-AZU4/FE
FCS1-1805P-BZU4/FE	40	FCS2-1808P-BZU4/FE
FCS1-1805N-AZU4/NFE	37	FCS2-1808N-AZU4/NFE
FCS1-1805N-BZU4/NFE	38	FCS2-1808N-BZU4/NFE
FCS1-1805P-AZU4/NFE	39	FCS2-1808P-AZU4/NFE
FCS1-1805P-BZU4/NFE	40	FCS2-1808P-BZU4/NFE
FCS1-1805C-AZU4/FE	43	FCS2-1808C-AZU4/FE
FCS1-1805C-BZU4/FE	75	FCS2-1808C-BZU4/FE
FCS1-1805C-AZU4/NFE	43	FCS2-1808C-AZU4/NFE
FCS1-1805C-BZU4/NFE	75	FCS2-1808C-BZU4/NFE

approx.94 g		approx.91 g	
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DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

M 30	
●	○
10 mm	15 mm
stainless steel	
●	

10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-3010N-A3U2/FE	1	FCS2-3015N-A3U2/FE
FCS1-3010N-B3U2/FE	2	FCS2-3015N-B3U2/FE
FCS1-3010P-A3U2/FE	3	FCS2-3015P-A3U2/FE
FCS1-3010P-B3U2/FE	4	FCS2-3015P-B3U2/FE
FCS1-3010N-A3U2/NFE	1	FCS2-3015N-A3U2/NFE
FCS1-3010N-B3U2/NFE	2	FCS2-3015N-B3U2/NFE
FCS1-3010P-A3U2/NFE	3	FCS2-3015P-A3U2/NFE
FCS1-3010P-B3U2/NFE	4	FCS2-3015P-B3U2/NFE
FCS1-3010C-A2U2/FE	7	FCS2-3015C-A2U2/FE
FCS1-3010C-B2U2/FE	8	FCS2-3015C-B2U2/FE
FCS1-3010C-A2U2/NFE	7	FCS2-3015C-A2U2/NFE
FCS1-3010C-B2U2/NFE	8	FCS2-3015C-B2U2/NFE

xxxx-xxxx-xxxx/FE	Target material: Ferrous
xxxx-xxxx-xxxx/NFE	
	Target material: Non-Ferrous

5.8 ∅ 3x0.5	
approx.217 g	approx.207 g

M 30	
●	○
10 mm	15 mm
stainless steel	
●	

10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-3010N-ARU4/FE	29	FCS2-3015N-ARU4/FE
FCS1-3010N-BRU4/FE	30	FCS2-3015N-BRU4/FE
FCS1-3010P-ARU4/FE	31	FCS2-3015P-ARU4/FE
FCS1-3010P-BRU4/FE	32	FCS2-3015P-BRU4/FE
FCS1-3010N-ARU4/NFE	29	FCS2-3015N-ARU4/NFE
FCS1-3010N-BRU4/NFE	30	FCS2-3015N-BRU4/NFE
FCS1-3010P-ARU4/NFE	31	FCS2-3015P-ARU4/NFE
FCS1-3010P-BRU4/NFE	32	FCS2-3015P-BRU4/NFE
FCS1-3010C-ARU4/FE	36	FCS2-3015C-ARU4/FE
FCS1-3010C-BRU4/FE	74	FCS2-3015C-BRU4/FE
FCS1-3010C-ARU4/NFE	36	FCS2-3015C-ARU4/NFE
FCS1-3010C-BRU4/NFE	74	FCS2-3015C-BRU4/NFE

Correction factors						
Series	Mild steel	Stainless steel	Aluminum	Copper	Brass	
FE	1	0.7-0.9	0	0	0	
NFE	0	0	1	1.1	0.9	

approx.187 g	
approx.179 g	

M 30	
●	○
10 mm	15 mm
stainless steel	
●	

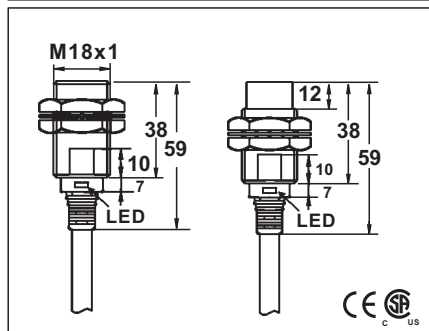
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
Stainless steel	

FCS1-3010N-AZU4/FE	37	FCS2-3015N-AZU4/FE
FCS1-3010N-BZU4/FE	38	FCS2-3015N-BZU4/FE
FCS1-3010P-AZU4/FE	39	FCS2-3015P-AZU4/FE
FCS1-3010P-BZU4/FE	40	FCS2-3015P-BZU4/FE
FCS1-3010N-AZU4/NFE	37	FCS2-3015N-AZU4/NFE
FCS1-3010N-BZU4/NFE	38	FCS2-3015N-BZU4/NFE
FCS1-3010P-AZU4/NFE	39	FCS2-3015P-AZU4/NFE
FCS1-3010P-BZU4/NFE	40	FCS2-3015P-BZU4/NFE
FCS1-3010C-AZU4/FE	43	FCS2-3015C-AZU4/FE
FCS1-3010C-BZU4/FE	75	FCS2-3015C-BZU4/FE
FCS1-3010C-AZU4/NFE	43	FCS2-3015C-AZU4/NFE
FCS1-3010C-BZU4/NFE	75	FCS2-3015C-BZU4/NFE

approx.187 g	
approx.179 g	

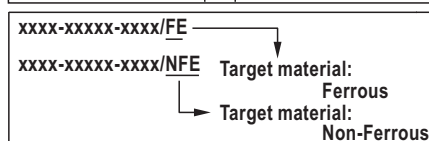
DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

M 18	
●	○
5 mm	8 mm
SUS 303 stainless steel	
●	



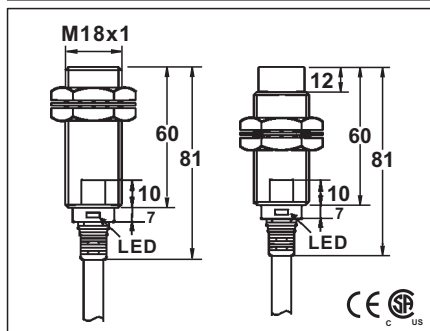
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
SUS 303 stainless steel	

FCS1-1805N-A3S2/FE-W	1	FCS2-1808N-A3S2/FE-W
FCS1-1805N-B3S2/FE-W	2	FCS2-1808N-B3S2/FE-W
FCS1-1805P-A3S2/FE-W	3	FCS2-1808P-A3S2/FE-W
FCS1-1805P-B3S2/FE-W	4	FCS2-1808P-B3S2/FE-W
FCS1-1805N-A3S2/NFE-W	1	FCS2-1808N-A3S2/NFE-W
FCS1-1805N-B3S2/NFE-W	2	FCS2-1808N-B3S2/NFE-W
FCS1-1805P-A3S2/NFE-W	3	FCS2-1808P-A3S2/NFE-W
FCS1-1805P-B3S2/NFE-W	4	FCS2-1808P-B3S2/NFE-W
FCS1-1805C-A2S2/FE-W	7	FCS2-1808C-A2S2/FE-W
FCS1-1805C-B2S2/FE-W	8	FCS2-1808C-B2S2/FE-W
FCS1-1805C-A2S2/NFE-W	7	FCS2-1808C-A2S2/NFE-W
FCS1-1805C-B2S2/NFE-W	8	FCS2-1808C-B2S2/NFE-W



5.8 φ 3x0.5	
Approx.132 g	Approx.134 g

M18	
●	○
5 mm	8 mm
SUS 303 stainless steel	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
SUS 303 stainless steel	

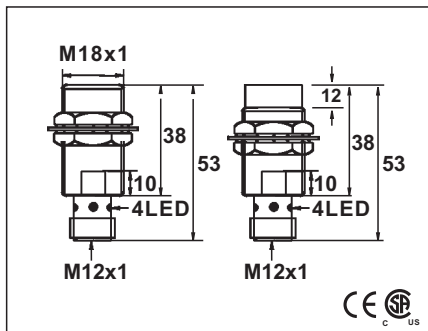
FCS1-1805N-A3U2/FE-W	1	FCS2-1808N-A3U2/FE-W
FCS1-1805N-B3U2/FE-W	2	FCS2-1808N-B3U2/FE-W
FCS1-1805P-A3U2/FE-W	3	FCS2-1808P-A3U2/FE-W
FCS1-1805P-B3U2/FE-W	4	FCS2-1808P-B3U2/FE-W
FCS1-1805N-A3U2/NFE-W	1	FCS2-1808N-A3U2/NFE-W
FCS1-1805N-B3U2/NFE-W	2	FCS2-1808N-B3U2/NFE-W
FCS1-1805P-A3U2/NFE-W	3	FCS2-1808P-A3U2/NFE-W
FCS1-1805P-B3U2/NFE-W	4	FCS2-1808P-B3U2/NFE-W
FCS1-1805C-A2U2/FE-W	7	FCS2-1808C-A2U2/FE-W
FCS1-1805C-B2U2/FE-W	8	FCS2-1808C-B2U2/FE-W
FCS1-1805C-A2U2/NFE-W	7	FCS2-1808C-A2U2/NFE-W
FCS1-1805C-B2U2/NFE-W	8	FCS2-1808C-B2U2/NFE-W

Correction factors

Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

5.8 φ 3x0.15	
Approx.153 g	Approx.144 g

M 18	
●	○
5 mm	8 mm
SUS 303 stainless steel	
●	



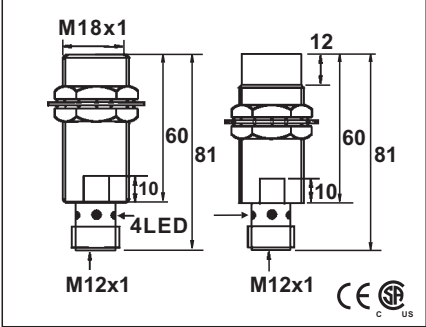
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
SUS 303 stainless steel	

FCS1-1805N-ARS4/FE-W	29	FCS2-1808N-ARS4/FE-W
FCS1-1805N-BRS4/FE-W	30	FCS2-1808N-BRS4/FE-W
FCS1-1805P-ARS4/FE-W	31	FCS2-1808P-ARS4/FE-W
FCS1-1805P-BRS4/FE-W	32	FCS2-1808P-BRS4/FE-W
FCS1-1805N-ARS4/NFE-W	29	FCS2-1808N-ARS4/NFE-W
FCS1-1805N-BRS4/NFE-W	30	FCS2-1808N-BRS4/NFE-W
FCS1-1805P-ARS4/NFE-W	31	FCS2-1808P-ARS4/NFE-W
FCS1-1805P-BRS4/NFE-W	32	FCS2-1808P-BRS4/NFE-W
FCS1-1805C-ARS4/FE-W	36	FCS2-1808C-ARS4/FE-W
FCS1-1805C-BRS4/FE-W	74	FCS2-1808C-BRS4/FE-W
FCS1-1805C-ARS4/NFE-W	36	FCS2-1808C-ARS4/NFE-W
FCS1-1805C-BRS4/NFE-W	74	FCS2-1808C-BRS4/NFE-W

5.8 φ 3x0.5	
Approx.50 g	Approx.50 g

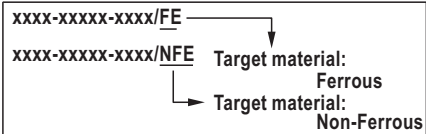
DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

M 18	
●	○
5 mm	8 mm
SUS 303 stainless steel	
●	



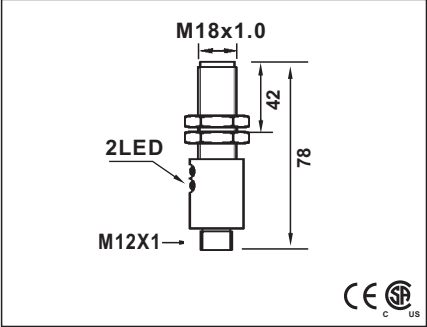
10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V or <1.0V or <2.0V
1KHZ
0.2ms/0.2ms
500HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
160
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

FCS1-1805N-ARU4/FE-W	29	FCS2-1808N-ARU4/FE-W
FCS1-1805N-BRU4/FE-W	30	FCS2-1808N-BRU4/FE-W
FCS1-1805P-ARU4/FE-W	31	FCS2-1808P-ARU4/FE-W
FCS1-1805P-BRU4/FE-W	32	FCS2-1808P-BRU4/FE-W
FCS1-1805N-ARU4/NFE-W	29	FCS2-1808N-ARU4/NFE-W
FCS1-1805N-BRU4/NFE-W	30	FCS2-1808N-BRU4/NFE-W
FCS1-1805P-ARU4/NFE-W	31	FCS2-1808P-ARU4/NFE-W
FCS1-1805P-BRU4/NFE-W	32	FCS2-1808P-BRU4/NFE-W
FCS1-1805C-ARU4/FE-W	36	FCS2-1808C-ARU4/FE-W
FCS1-1805C-BRU4/FE-W	74	FCS2-1808C-BRU4/FE-W
FCS1-1805C-ARU4/NFE-W	36	FCS2-1808C-ARU4/NFE-W
FCS1-1805C-BRU4/NFE-W	74	FCS2-1808C-BRU4/NFE-W



Approx.94 g	Approx.91 g
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M 18	
●	
5 mm	
SUS 303 stainless steel	
●	



10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
1KHZ
0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
160
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

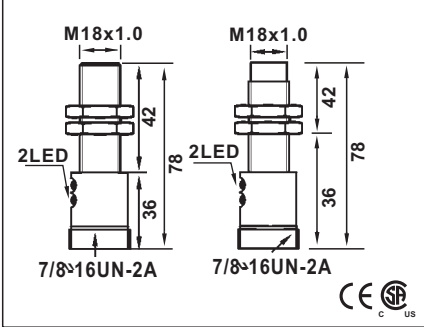
FCS1-1805N-ARU4/2/FE-W	29
FCS1-1805N-BRU4/2/FE-W	30
FCS1-1805P-ARU4/2/FE-W	31
FCS1-1805P-BRU4/2/FE-W	32
FCS1-1805N-ARU4/2/NFE-W	29
FCS1-1805N-BRU4/2/NFE-W	30
FCS1-1805P-ARU4/2/NFE-W	31
FCS1-1805P-BRU4/2/NFE-W	32
FCS1-1805C-ARU4/2/FE-W	36
FCS1-1805C-BRU4/2/FE-W	74
FCS1-1805C-ARU4/2/NFE-W	36
FCS1-1805C-BRU4/2/NFE-W	74

Correction factors

Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

Approx.94 g

M 18	
●	○
5 mm	8 mm
SUS 303 stainless steel	
●	



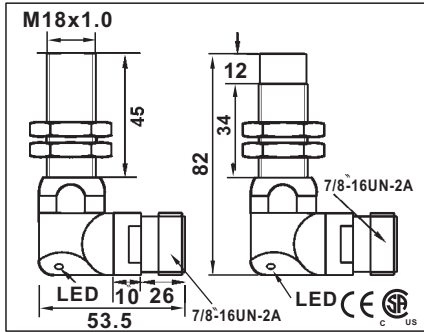
10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
1kHZ
0.2ms/0.2ms
500HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
160
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

FCS1-1805N-AZU4/2/FE-W	37	FCS2-1808N-AZU4/2/FE-W
FCS1-1805N-BZU4/2/FE-W	38	FCS2-1808N-BZU4/2/FE-W
FCS1-1805P-AZU4/2/FE-W	39	FCS2-1808P-AZU4/2/FE-W
FCS1-1805P-BZU4/2/FE-W	40	FCS2-1808P-BZU4/2/FE-W
FCS1-1805N-AZU4/2/NFE-W	37	FCS2-1808N-AZU4/2/NFE-W
FCS1-1805N-BZU4/2/NFE-W	38	FCS2-1808N-BZU4/2/NFE-W
FCS1-1805P-AZU4/2/NFE-W	39	FCS2-1808P-AZU4/2/NFE-W
FCS1-1805P-BZU4/2/NFE-W	40	FCS2-1808P-BZU4/2/NFE-W
FCS1-1805C-AZU4/2/FE-W	43	FCS2-1808C-AZU4/2/FE-W
FCS1-1805C-BZU4/2/FE-W	75	FCS2-1808C-BZU4/2/FE-W
FCS1-1805C-AZU4/2/NFE-W	43	FCS2-1808C-AZU4/2/NFE-W
FCS1-1805C-BZU4/2/NFE-W	75	FCS2-1808C-BZU4/2/NFE-W

Approx.94 g	Approx.91 g
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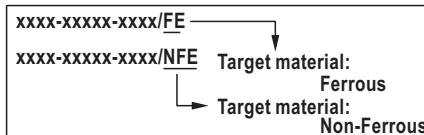
DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

M 18	
●	○
5 mm	8 mm
SUS 303 stainless steel	
●	



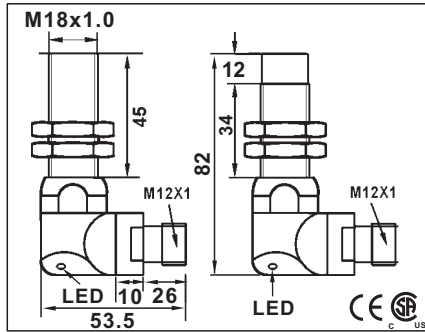
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
SUS 303 stainless steel	

FCS1-1805N-AZU4Y/FE-W	37	FCS2-1808N-AZU4Y/FE-W	
FCS1-1805N-BZU4Y/FE-W	38	FCS2-1808N-BZU4Y/FE-W	
FCS1-1805P-AZU4Y/FE-W	39	FCS2-1808P-AZU4Y/FE-W	
FCS1-1805P-BZU4Y/FE-W	40	FCS2-1808P-BZU4Y/FE-W	
FCS1-1805N-AZU4Y/NFE-W	37	FCS2-1808N-AZU4Y/NFE-W	
FCS1-1805N-BZU4Y/NFE-W	38	FCS2-1808N-BZU4Y/NFE-W	
FCS1-1805P-AZU4Y/NFE-W	39	FCS2-1808P-AZU4Y/NFE-W	
FCS1-1805P-BZU4Y/NFE-W	40	FCS2-1808P-BZU4Y/NFE-W	
FCS1-1805C-AZU4Y/FE-W	43	FCS2-1808C-AZU4Y/FE-W	
FCS1-1805C-BZU4Y/FE-W	75	FCS2-1808C-BZU4Y/FE-W	
FCS1-1805C-AZU4Y/NFE-W	43	FCS2-1808C-AZU4Y/NFE-W	
FCS1-1805C-BZU4Y/NFE-W	75	FCS2-1808C-BZU4Y/NFE-W	



Approx.251 g	Approx.283 g
--------------	--------------

M 18	
●	○
5 mm	8 mm
SUS 303 stainless steel	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
SUS 303 stainless steel	

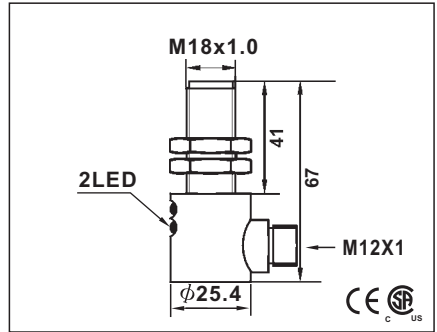
FCS1-1805N-ARU4Y/FE-W	29	FCS2-1808N-ARU4Y/FE-W	
FCS1-1805N-BRU4Y/FE-W	30	FCS2-1808N-BRU4Y/FE-W	
FCS1-1805P-ARU4Y/FE-W	31	FCS2-1808P-ARU4Y/FE-W	
FCS1-1805P-BRU4Y/FE-W	32	FCS2-1808P-BRU4Y/FE-W	
FCS1-1805N-ARU4Y/NFE-W	29	FCS2-1808N-ARU4Y/NFE-W	
FCS1-1805N-BRU4Y/NFE-W	30	FCS2-1808N-BRU4Y/NFE-W	
FCS1-1805P-ARU4Y/NFE-W	31	FCS2-1808P-ARU4Y/NFE-W	
FCS1-1805P-BRU4Y/NFE-W	32	FCS2-1808P-BRU4Y/NFE-W	
FCS1-1805C-ARU4Y/FE-W	36	FCS2-1808C-ARU4Y/FE-W	
FCS1-1805C-BRU4Y/FE-W	74	FCS2-1808C-BRU4Y/FE-W	
FCS1-1805C-ARU4Y/NFE-W	36	FCS2-1808C-ARU4Y/NFE-W	
FCS1-1805C-BRU4Y/NFE-W	74	FCS2-1808C-BRU4Y/NFE-W	

Correction factors

Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

Approx.251 g	Approx.283 g
--------------	--------------

M 18	
●	○
5 mm	
SUS 303 stainless steel	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
SUS 303 stainless steel	

FCS1-1805N-ARU4Y/2/FE-W	29
FCS1-1805N-BRU4Y/2/FE-W	30
FCS1-1805P-ARU4Y/2/FE-W	31
FCS1-1805P-BRU4Y/2/FE-W	32
FCS1-1805N-ARU4Y/2/NFE-W	29
FCS1-1805N-BRU4Y/2/NFE-W	30
FCS1-1805P-ARU4Y/2/NFE-W	31
FCS1-1805P-BRU4Y/2/NFE-W	32
FCS1-1805C-ARU4Y/2/FE-W	36
FCS1-1805C-BRU4Y/2/FE-W	74
FCS1-1805C-ARU4Y/2/NFE-W	36
FCS1-1805C-BRU4Y/2/NFE-W	74

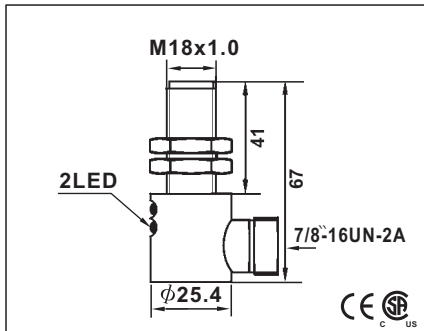
Correction factors

Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

Approx.94 g

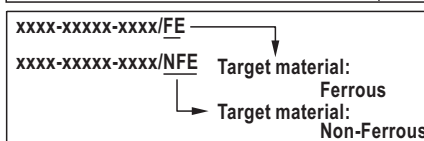
DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

M 18
●
5 mm
SUS 303 stainless steel
●



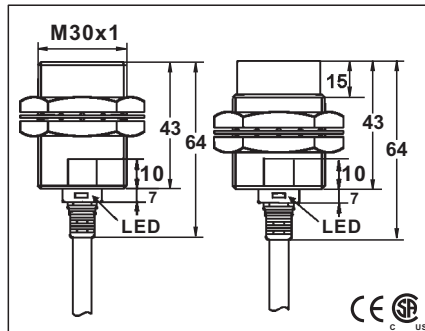
10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
1KHZ
0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
160MT
RFI>10V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

FCS1-1805N-AZU4Y/2/FE-W	37
FCS1-1805N-BZU4Y/2/FE-W	38
FCS1-1805P-AZU4Y/2/FE-W	39
FCS1-1805P-BZU4Y/2/FE-W	40
FCS1-1805N-AZU4Y/2/NFE-W	37
FCS1-1805N-BZU4Y/2/NFE-W	38
FCS1-1805P-AZU4Y/2/NFE-W	39
FCS1-1805P-BZU4Y/2/NFE-W	40
FCS1-1805C-AZU4Y/2/FE-W	43
FCS1-1805C-BZU4Y/2/FE-W	75
FCS1-1805C-AZU4Y/2/NFE-W	43
FCS1-1805C-BZU4Y/2/NFE-W	75



5.8φ 3x0.5
Approx.98 g

M 30
● ○
10 mm 15 mm
SUS 303 stainless steel
●



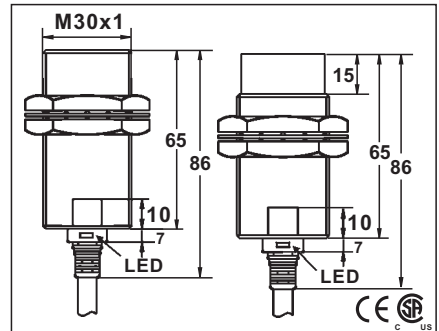
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	150HZ
0.5ms/0.5ms	1.0ms/1.0ms
<15%(Sr)	<15%(Sr)
<1.0%(Sr)	<1.0%(Sr)
IP67	IP67
-25 °C - +70 °C	-25 °C - +70 °C
<10%(Sr)	<10%(Sr)
YES	YES
220mA	220mA
160MT	160MT
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	RFI>10V/m / EFT>1KV / ESD>8KV (contact)
IEC 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
SUS 303 stainless steel	SUS 303 stainless steel

FCS1-3010N-A3S2/FE-W	1	FCS2-3015N-A3S2/FE-W
FCS1-3010N-B3S2/FE-W	2	FCS2-3015N-B3S2/FE-W
FCS1-3010P-A3S2/FE-W	3	FCS2-3015P-A3S2/FE-W
FCS1-3010P-B3S2/FE-W	4	FCS2-3015P-B3S2/FE-W
FCS1-3010N-A3S2/NFE-W	1	FCS2-3015N-A3S2/NFE-W
FCS1-3010N-B3S2/NFE-W	2	FCS2-3015N-B3S2/NFE-W
FCS1-3010P-A3S2/NFE-W	3	FCS2-3015P-A3S2/NFE-W
FCS1-3010P-B3S2/NFE-W	4	FCS2-3015P-B3S2/NFE-W
FCS1-3010C-A2S2/FE-W	7	FCS2-3015C-A3S2/FE-W
FCS1-3010C-B2S2/FE-W	8	FCS2-3015C-B3S2/FE-W
FCS1-3010C-A2S2/NFE-W	7	FCS2-3015C-A3S2/NFE-W
FCS1-3010C-B2S2/NFE-W	8	FCS2-3015C-B3S2/NFE-W

Correction factors					
Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

5.8φ 3x0.5	
Approx.217 g	Approx.207 g

M 30
● ○
10 mm 15 mm
SUS 303 stainless steel
●



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	150HZ
0.5ms/0.5ms	1.0ms/1.0ms
<15%(Sr)	<15%(Sr)
<1.0%(Sr)	<1.0%(Sr)
IP67	IP67
-25 °C - +70 °C	-25 °C - +70 °C
<10%(Sr)	<10%(Sr)
YES	YES
220mA	220mA
160MT	160MT
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	RFI>10V/m / EFT>1KV / ESD>8KV (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
SUS 303 stainless steel	SUS 303 stainless steel

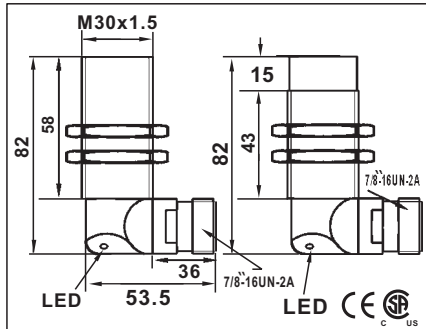
FCS1-3010N-A3U2/FE-W	1	FCS2-3015N-A3U2/FE-W
FCS1-3010N-B3U2/FE-W	2	FCS2-3015N-B3U2/FE-W
FCS1-3010P-A3U2/FE-W	3	FCS2-3015P-A3U2/FE-W
FCS1-3010P-B3U2/FE-W	4	FCS2-3015P-B3U2/FE-W
FCS1-3010N-A3U2/NFE-W	1	FCS2-3015N-A3U2/NFE-W
FCS1-3010N-B3U2/NFE-W	2	FCS2-3015N-B3U2/NFE-W
FCS1-3010P-A3U2/NFE-W	3	FCS2-3015P-A3U2/NFE-W
FCS1-3010P-B3U2/NFE-W	4	FCS2-3015P-B3U2/NFE-W
FCS1-3010C-A2U2/FE-W	7	FCS2-3015C-A2U2/FE-W
FCS1-3010C-B2U2/FE-W	8	FCS2-3015C-B2U2/FE-W
FCS1-3010C-A2U2/NFE-W	7	FCS2-3015C-A2U2/NFE-W
FCS1-3010C-B2U2/NFE-W	8	FCS2-3015C-B2U2/NFE-W

Correction factors					
Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

5.8φ 3x0.5	
Approx.227 g	Approx.217 g

DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

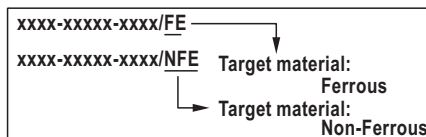
M 30	
●	○
10 mm	15 mm
SUS 303 stainless steel	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160MT	

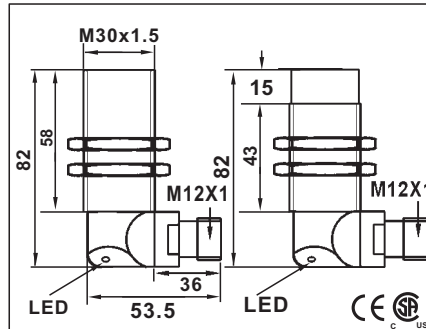
RFI>10V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
SUS 303 stainless steel

FCS1-3010N-AZU4Y/FE-W	37	FCS2-3015N-AZU4Y/FE-W	
FCS1-3010N-BZU4Y/FE-W	38	FCS2-3015N-BZU4Y/FE-W	
FCS1-3010P-AZU4Y/FE-W	39	FCS2-3015P-AZU4Y/FE-W	
FCS1-3010P-BZU4Y/FE-W	40	FCS2-3015P-BZU4Y/FE-W	
FCS1-3010N-AZU4Y/NFE-W	37	FCS2-3015N-AZU4Y/NFE-W	
FCS1-3010N-BZU4Y/NFE-W	38	FCS2-3015N-BZU4Y/NFE-W	
FCS1-3010P-AZU4Y/NFE-W	39	FCS2-3015P-AZU4Y/NFE-W	
FCS1-3010P-BZU4Y/NFE-W	40	FCS2-3015P-BZU4Y/NFE-W	
FCS1-3010C-AZU4Y/FE-W	43	FCS2-3015C-AZU4Y/FE-W	
FCS1-3010C-BZU4Y/FE-W	75	FCS2-3015C-BZU4Y/FE-W	
FCS1-3010C-AZU4Y/NFE-W	43	FCS2-3015C-AZU4Y/NFE-W	
FCS1-3010C-BZU4Y/NFE-W	75	FCS2-3015C-BZU4Y/NFE-W	



Approx.311 g	Approx.356 g
--------------	--------------

M 30	
●	○
10 mm	15 mm
SUS 303 stainless steel	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
0.5ms/0.5ms	1ms/1ms
300HZ	150HZ
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160MT	

RFI>10V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
SUS 303 stainless steel

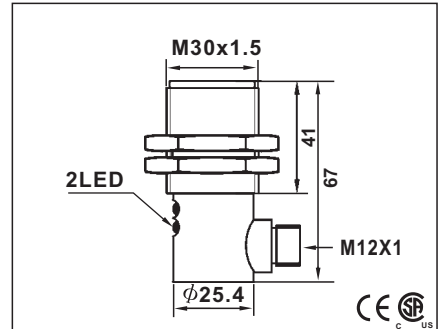
FCS1-3010N-ARU4Y/FE-W	29	FCS2-3015N-ARU4Y/FE-W	
FCS1-3010N-BRU4Y/FE-W	30	FCS2-3015N-BRU4Y/FE-W	
FCS1-3010P-ARU4Y/FE-W	31	FCS2-3015P-ARU4Y/FE-W	
FCS1-3010P-BRU4Y/FE-W	32	FCS2-3015P-BRU4Y/FE-W	
FCS1-3010N-ARU4Y/NFE-W	29	FCS2-3015N-ARU4Y/NFE-W	
FCS1-3010N-BRU4Y/NFE-W	30	FCS2-3015N-BRU4Y/NFE-W	
FCS1-3010P-ARU4Y/NFE-W	31	FCS2-3015P-ARU4Y/NFE-W	
FCS1-3010P-BRU4Y/NFE-W	32	FCS2-3015P-BRU4Y/NFE-W	
FCS1-3010C-ARU4Y/FE-W	36	FCS2-3015C-ARU4Y/FE-W	
FCS1-3010C-BRU4Y/FE-W	74	FCS2-3015C-BRU4Y/FE-W	
FCS1-3010C-ARU4Y/NFE-W	36	FCS2-3015C-ARU4Y/NFE-W	
FCS1-3010C-BRU4Y/NFE-W	74	FCS2-3015C-BRU4Y/NFE-W	

Correction factors

Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

Approx.311 g	Approx.356 g
--------------	--------------

M 30	
●	
10 mm	
SUS 303 stainless steel	
●	



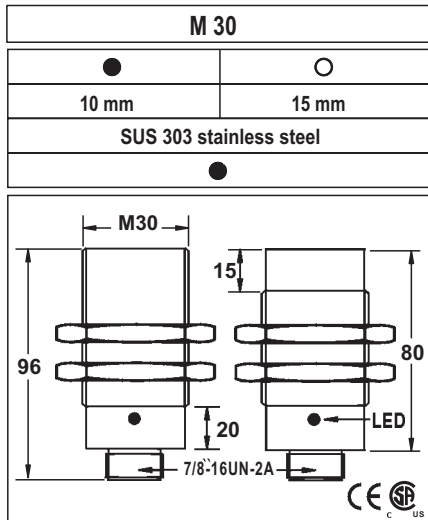
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
0.5ms/0.5ms	
300HZ	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
160MT	

RFI>10V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
SUS 303 stainless steel

FCS1-3010N-ARU4Y/2/FE-W	29
FCS1-3010N-BRU4Y/2/FE-W	30
FCS1-3010P-ARU4Y/2/FE-W	31
FCS1-3010P-BRU4Y/2/FE-W	32
FCS1-3010N-ARU4Y/2/NFE-W	29
FCS1-3010N-BRU4Y/2/NFE-W	30
FCS1-3010P-ARU4Y/2/NFE-W	31
FCS1-3010P-BRU4Y/2/NFE-W	32
FCS1-3010C-ARU4Y/2/FE-W	36
FCS1-3010C-BRU4Y/2/FE-W	74
FCS1-3010C-ARU4Y/2/NFE-W	36
FCS1-3010C-BRU4Y/2/NFE-W	74

Approx.250 g

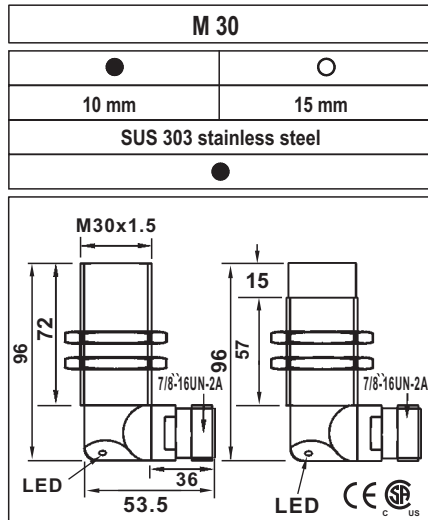
AC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR



20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 200MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

FCS1-3010A-AZL3/FE-W	61	FCS2-3015A-AZL3/FE-W	
FCS1-3010A-BZL3/FE-W	61	FCS2-3015A-BZL3/FE-W	
FCS1-3010A-AZL3/NFE-W	61	FCS2-3015A-AZL3/NFE-W	
FCS1-3010A-BZL3/NFE-W	61	FCS2-3015A-BZL3/NFE-W	

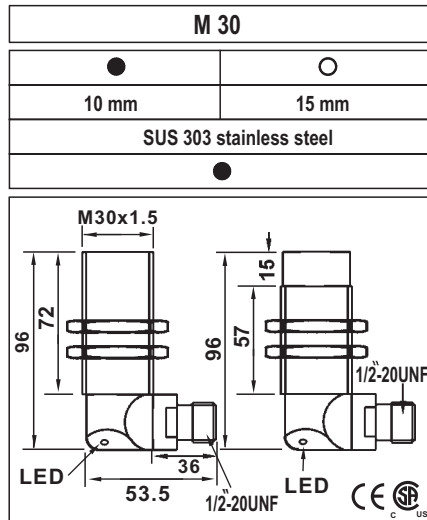
Approx.187 g	Approx.179 g



20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

FCS1-3010A-AZL3Y/FE-W	61	FCS2-3015A-AZL3Y/FE-W	
FCS1-3010A-BZL3Y/FE-W	61	FCS2-3015A-BZL3Y/FE-W	
FCS1-3010A-AZL3Y/NFE-W	61	FCS2-3015A-AZL3Y/NFE-W	
FCS1-3010A-BZL3Y/NFE-W	61	FCS2-3015A-BZL3Y/NFE-W	

xxxx-xxxx-xxxx/FE	Target material: Ferrous
xxxx-xxxx-xxxx/NFE	
Approx.311 g	Approx.356 g






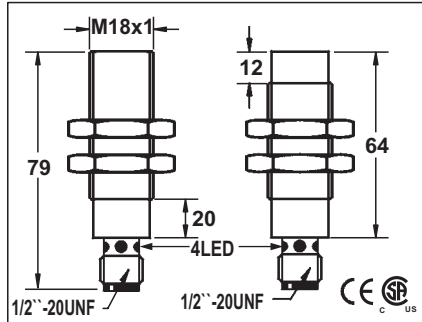
20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

FCS1-3010A-AUL3Y/FE-W	52	FCS2-3015A-AUL3Y/FE-W	
FCS1-3010A-BUL3Y/FE-W	52	FCS2-3015A-BUL3Y/FE-W	
FCS1-3010A-AUL3Y/NFE-W	52	FCS2-3015A-AUL3Y/NFE-W	
FCS1-3010A-BUL3Y/NFE-W	52	FCS2-3015A-BUL3Y/NFE-W	

Correction factors					
Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9
Approx.311 g				Approx.356 g	

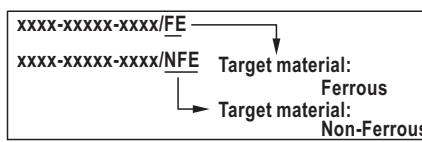
AC/DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

M 18	
	
5 mm	8 mm
stainless steel	
	






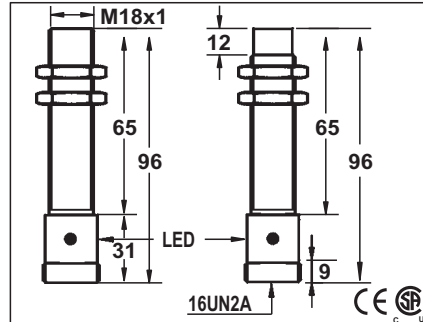
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC : <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15%(Sr)
<1.0% (Sr)
IP67
-25°C ~ + 70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-1805U-AU3/FE	52	FCS2-1808U-AU3/FE	
FCS1-1805U-BU3/FE	52	FCS2-1808U-BU3/FE	
FCS1-1805U-AU3/NFE	52	FCS2-1808U-AU3/NFE	
FCS1-1805U-BU3/NFE	52	FCS2-1808U-BU3/NFE	



approx.69g	approx.68g
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M 18	
	
5 mm	8 mm
stainless steel	
	






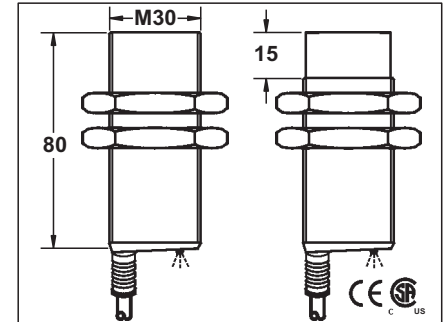
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC : <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15%(Sr)
<1.0% (Sr)
IP67
-25°C ~ + 70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-1805U-AZU3/FE	61	FCS2-1808U-AZU3/FE	
FCS1-1805U-BZU3/FE	61	FCS2-1808U-BZU3/FE	
FCS1-1805U-AZU3/NFE	61	FCS2-1808U-AZU3/NFE	
FCS1-1805U-BZU3/NFE	61	FCS2-1808U-BZU3/NFE	

Correction factors					
Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

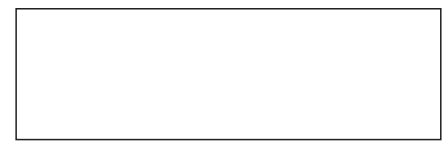
approx.94g	approx.91g
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M 30	
	
10mm	15mm
stainless steel	
	



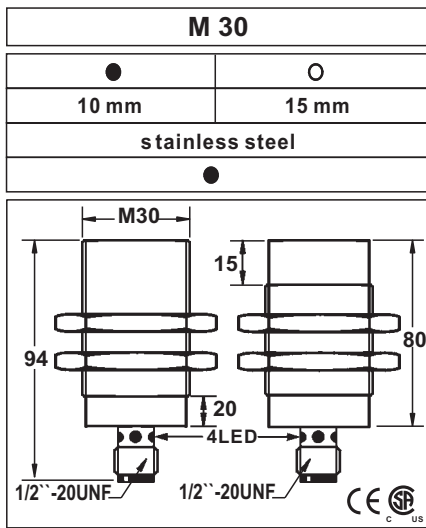
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC : <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15%(Sr)
<1.0% (Sr)
IP67
-25°C ~ + 70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-3010U-A3U2/FE	11	FCS2-3015U-A3U2/FE	
FCS1-3010U-B3U2/FE	12	FCS2-3015U-B3U2/FE	
FCS1-3010U-A3U2/NFE	11	FCS2-3015U-A3U2/NFE	
FCS1-3010U-B3U2/NFE	12	FCS2-3015U-B3U2/NFE	



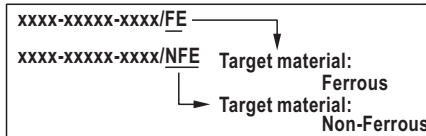
5.8 φ 3x0.5	
approx.247g	approx.237g

AC/DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

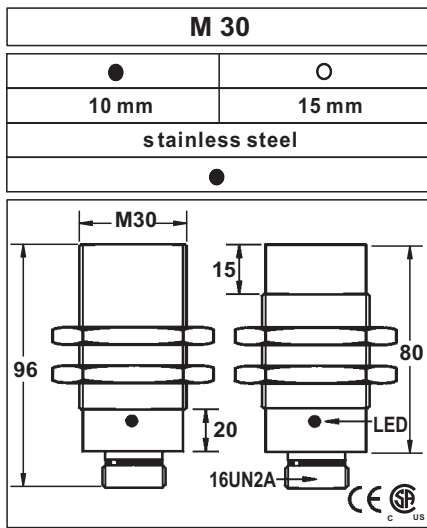


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15%(Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV(contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-3010U-AUU3/FE	52	FCS2-3015U-AUU3/FE	61
FCS1-3010U-BUU3/FE	52	FCS2-3015U-BUU3/FE	61
FCS1-3010U-AUU3/NFE	52	FCS2-3015U-AUU3/NFE	61
FCS1-3010U-BUU3/NFE	52	FCS2-3015U-BUU3/NFE	61



approx.147g	approx.137g
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20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15%(Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV(contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Stainless steel

FCS1-3010U-AZU3/FE	61	FCS2-3015U-AZU3/FE	61
FCS1-3010U-BZU3/FE	61	FCS2-3015U-BZU3/FE	61
FCS1-3010U-AZU3/NFE	61	FCS2-3015U-AZU3/NFE	61
FCS1-3010U-BZU3/NFE	61	FCS2-3015U-BZU3/NFE	61

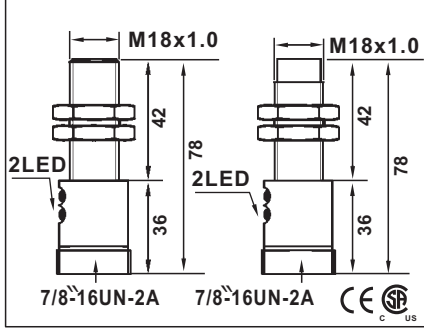
Correction factors

Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

approx.187g	approx.179g
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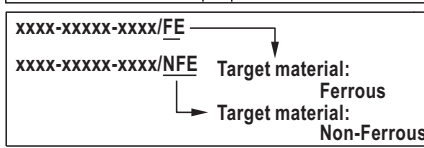
AC/DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

M 18	
●	○
5 mm	8 mm
SUS 303 stainless steel	



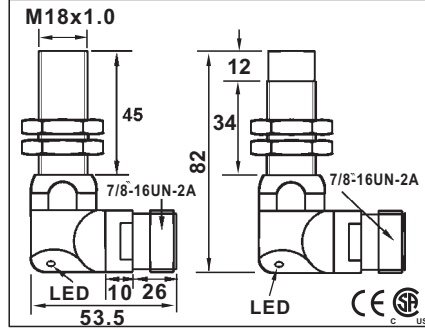
20-250 VAC, 50-60 Hz; 20-250 VDC	
DC RIPPLE <10%	
<2.5mA	
200mA	
<2.5mA	
2.2A for 20ms	
5mA	
<=10 VAC ;<=8 VDC	
25HZ AC; 40 Hz DC	
10ms/10ms	
<15% (Sr)	
<1.0% (Sr)	
IP67	
-25°C - +70°C	
<10% (Sr)	
YES	
-	
160MT	
RFI>8V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
SUS 303 stainless steel	

FCS1-1805U-AZL3Y/2/FE-W	61 FCS2-1808U-AZL3Y/2/FE-W
FCS1-1805U-BZL3Y/2/FE-W	61 FCS2-1808U-BZL3Y/2/FE-W
FCS1-1805U-AZL3Y/2/NFE-W	61 FCS2-1808U-AZL3Y/2/NFE-W
FCS1-1805U-BZL3Y/2/NFE-W	61 FCS2-1808U-BZL3Y/2/NFE-W



Approx.94 g	Approx.91 g
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M 18	
●	○
5 mm	8 mm
SUS 303 stainless steel	



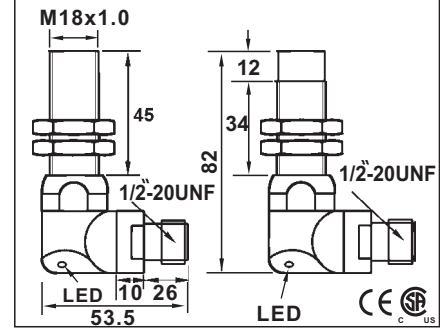
20-250 VAC, 50-60 Hz; 20-250 VDC	
DC RIPPLE <10%	
<2.5mA	
200mA	
<2.5mA	
2.2A for 20ms	
5mA	
<=10 VAC ;<=8 VDC	
25HZ AC; 40 Hz DC	
10ms/10ms	
<15% (Sr)	
<1.0% (Sr)	
IP67	
-25°C - +70°C	
<10% (Sr)	
YES	
-	
160MT	
RFI>8V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
SUS 303 stainless steel	

FCS1-1805U-AZL3Y/FE-W	61 FCS2-1808U-AZL3Y/FE-W
FCS1-1805U-BZL3Y/FE-W	61 FCS2-1808U-BZL3Y/FE-W
FCS1-1805U-AZL3Y/NFE-W	61 FCS2-1808U-AZL3Y/NFE-W
FCS1-1805U-BZL3Y/NFE-W	61 FCS2-1808U-BZL3Y/NFE-W

Correction factors					
Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

Approx.251 g	Approx.283 g
--------------	--------------

M 18	
●	○
5 mm	8 mm
SUS 303 stainless steel	



20-250 VAC, 50-60 Hz; 20-250 VDC	
DC RIPPLE <10%	
<2.5mA	
200mA	
<2.5mA	
2.2A for 20ms	
5mA	
<=10 VAC ;<=8 VDC	
25HZ AC; 40 Hz DC	
10ms/10ms	
<15% (Sr)	
<1.0% (Sr)	
IP67	
-25°C - +70°C	
<10% (Sr)	
YES	
-	
160MT	
RFI>8V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
SUS 303 stainless steel	

FCS1-1805U-AUL3Y/FE-W	52 FCS2-1808U-AUL3Y/FE-W
FCS1-1805U-BUL3Y/FE-W	52 FCS2-1808U-BUL3Y/FE-W
FCS1-1805U-AUL3Y/NFE-W	52 FCS2-1808U-AUL3Y/NFE-W
FCS1-1805U-BUL3Y/NFE-W	52 FCS2-1808U-BUL3Y/NFE-W

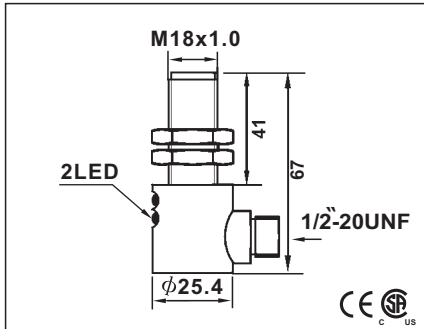
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Approx.251 g	Approx.283 g
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M18、M30

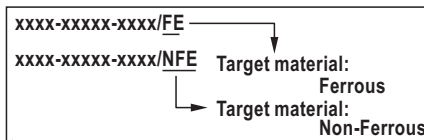
AC/DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

M 18
●
5 mm
SUS 303 stainless steel
●



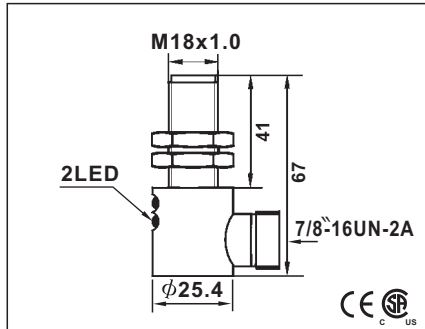
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
≤10 VAC ; ≤8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

FCS1-1805U-AUL3Y/2/FE-W	52
FCS1-1805U-BUL3Y/2/FE-W	52
FCS1-1805U-AUL3Y/2/NFE-W	52
FCS1-1805U-BUL3Y/2/NFE-W	52



Approx.94 g

M 18
●
5 mm
SUS 303 stainless steel
●



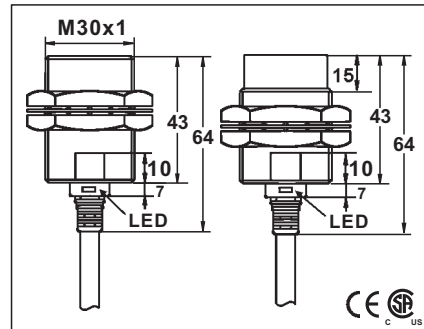
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
≤10 VAC ; ≤8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

FCS1-1805U-AZL3Y/2/FE-W	61
FCS1-1805U-BZL3Y/2/FE-W	61
FCS1-1805U-AZL3Y/2/NFE-W	61
FCS1-1805U-BZL3Y/2/NFE-W	61

Correction factors					
Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

Approx.98 g

M 30
● ○
10 mm 15 mm
SUS 303 stainless steel
●



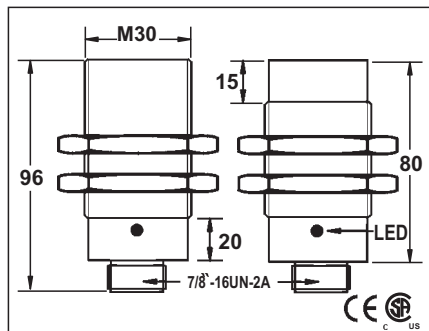
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
≤10 VAC ; ≤8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

FCS1-3010U-A3S2/FE-W	11	FCS2-3015U-A3S2/FE-W	
FCS1-3010U-B3S2/FE-W	12	FCS2-3015U-B3S2/FE-W	
FCS1-3010U-A3S2/NFE-W	11	FCS2-3015U-A3S2/NFE-W	
FCS1-3010U-B3S2/NFE-W	12	FCS2-3015U-B3S2/NFE-W	

5.8φ3x0.5
Approx.217 g Approx.207 g

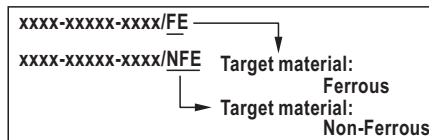
AC/DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

M 30	
●	○
10 mm	15 mm
SUS 303 stainless steel	
●	



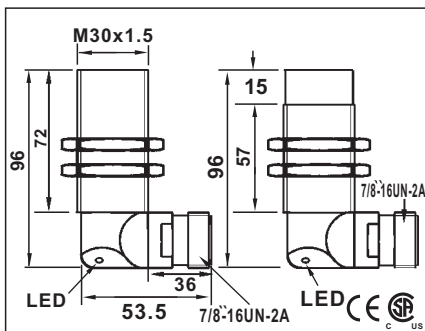
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

FCS1-3010U-AZL3/FE-W	61	FCS2-3015U-AZL3/FE-W
FCS1-3010U-BZL3/FE-W	61	FCS2-3015U-BZL3/FE-W
FCS1-3010U-AZL3/NFE-W	61	FCS2-3015U-AZL3/NFE-W
FCS1-3010U-BZL3/NFE-W	61	FCS2-3015U-BZL3/NFE-W



Approx.187 g	Approx.179 g
--------------	--------------

M 30	
●	○
10 mm	15 mm
SUS 303 stainless steel	
●	



20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

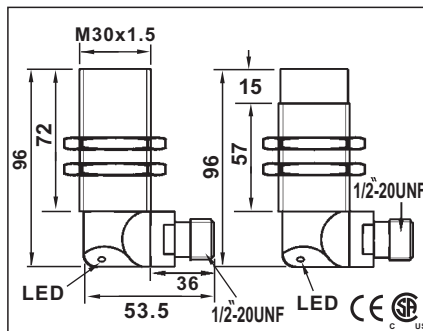
FCS1-3010U-AZL3Y/FE-W	61	FCS2-3015U-AZL3Y/FE-W
FCS1-3010U-BZL3Y/FE-W	61	FCS2-3015U-BZL3Y/FE-W
FCS1-3010U-AZL3Y/NFE-W	61	FCS2-3015U-AZL3Y/NFE-W
FCS1-3010U-BZL3Y/NFE-W	61	FCS2-3015U-BZL3Y/NFE-W

Correction factors

Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

Approx.311 g	Approx.356 g
--------------	--------------

M 30	
●	○
10 mm	15 mm
SUS 303 stainless steel	
●	



20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

FCS1-3010U-AUL3Y/FE-W	52	FCS2-3015U-AUL3Y/FE-W
FCS1-3010U-BUL3Y/FE-W	52	FCS2-3015U-BUL3Y/FE-W
FCS1-3010U-AUL3Y/NFE-W	52	FCS2-3015U-AUL3Y/NFE-W
FCS1-3010U-BUL3Y/NFE-W	52	FCS2-3015U-BUL3Y/NFE-W

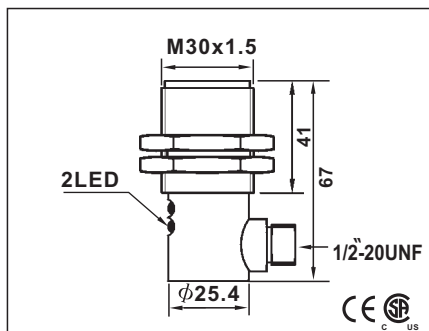
Correction factors

Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

Approx.311 g	Approx.356 g
--------------	--------------

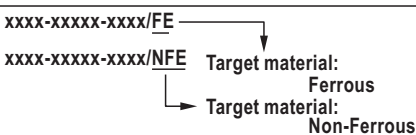
AC/DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

M 30
●
10 mm
SUS 303 stainless steel
●



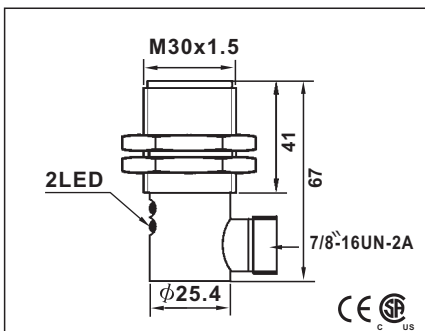
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC : <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25 ° C - +70 ° C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

FCS1-3010U-AUL3Y/2/FE-W	52
FCS1-3010U-BUL3Y/2/FE-W	52
FCS1-3010U-AUL3Y/2/NFE-W	52
FCS1-3010U-BUL3Y/2/NFE-W	52



Approx.250 g

M 30
●
10 mm
SUS 303 stainless steel
●



20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC : <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25 ° C - +70 ° C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

FCS1-3010U-AZL3Y/2/FE-W	61
FCS1-3010U-BZL3Y/2/FE-W	61
FCS1-3010U-AZL3Y/2/NFE-W	61
FCS1-3010U-BZL3Y/2/NFE-W	61

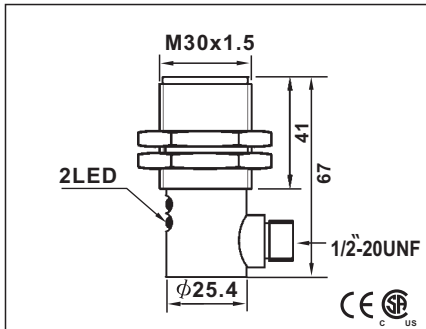
Correction factors

Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

Approx.250 g

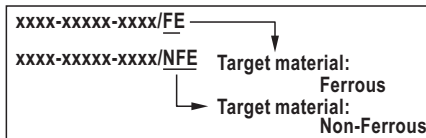
AC/DC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

M 30
●
10 mm
SUS 303 stainless steel
●



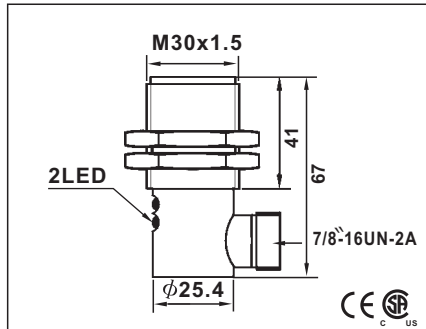
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC ; <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25 °C - +70 °C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

FCS1-3010U-AUL3Y/2/FE-W	52
FCS1-3010U-BUL3Y/2/FE-W	52
FCS1-3010U-AUL3Y/2/NFE-W	52
FCS1-3010U-BUL3Y/2/NFE-W	52



Approx.250 g

M 30
●
10 mm
SUS 303 stainless steel
●



20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC ; <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25 °C - +70 °C
<10% (Sr)
YES
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

FCS1-3010U-AZL3Y/2/FE-W	61
FCS1-3010U-BZL3Y/2/FE-W	61
FCS1-3010U-AZL3Y/2/NFE-W	61
FCS1-3010U-BZL3Y/2/NFE-W	61

Correction factors

Series	Mild steel	Stainless steel	Aluminum	Copper	Brass
FE	1	0.7-0.9	0	0	0
NFE	0	0	1	1.1	0.9

Approx.250 g
