

PART I-01 ~ I-29

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.

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

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

INDUCTIVE SENSORS -Weld field immune

● Operating principle

Weld field immune inductive sensors work in the same way as standard inductive sensors. When a metal target approaches the active face of the sensor, energy is drawn from the oscillator causing a decrease of the amplitude.

This loss of amplitude is recognized in the detector circuit and converted in a defined ON or OFF signal at the output.

● Weld field immunity

Weld field immunity is achieved by the use of a special core material and a specially determined oscillator. The limit of the weld field immunity depends on the kind of field (DC or AC), the housing size of the sensor and its location in the field.

Sensors are tested during manufacturing, Under the worst case conditions in an AC field up to an AC field up to 160 meeting The figure opposite shows the characteristic of the magnetic induction depending on the current-carrying conductor. The magnetic induction close to a current-carrying conductor can be calculated approximatively by the formula:

$$B \approx \frac{0.2 \times I [A]}{r [mm]} [MT]$$

Explication:

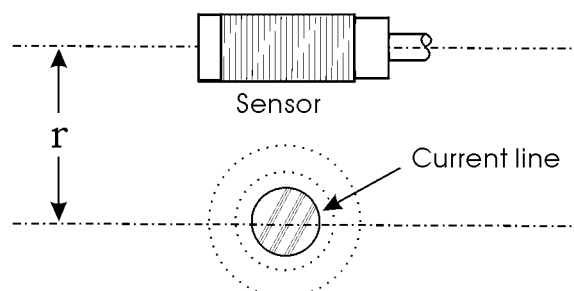
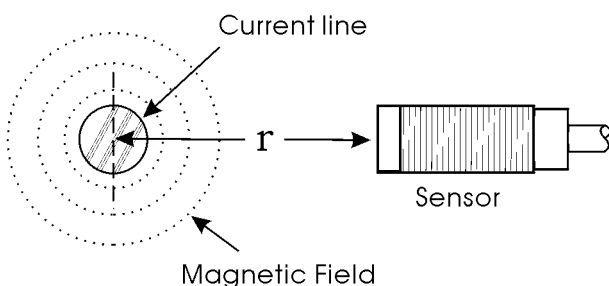
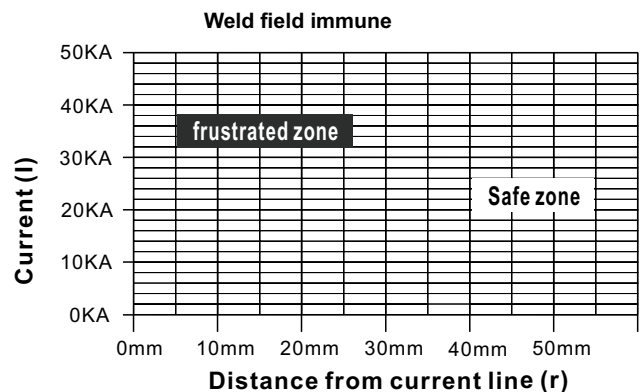
I = Current, carrying the conductor [A]

r = Distance between sensor and current carrying lines(in meters)

B = Magnetic induction [mT]

Some reference values for magnetic induction

I [kA]	Distance [mm]			
	12.5	25	50	100
5	80mT	40mT	20mT	10mT
10	160mT	80mT	40mT	20mT
20	320mT	160mT	80mT	40mT
50	800mT	400mT	200mT	100mT
100	1600mT	800mT	400mT	200mT



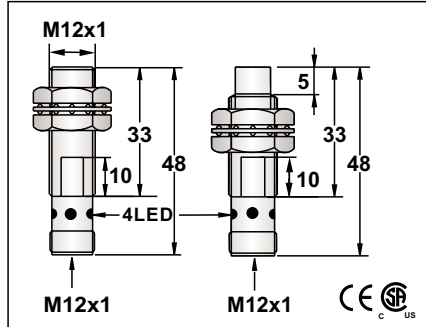
DC INDUCTIVE SENSORS WELD FIELD IMMUNE

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DC INDUCTIVE SENSORS WELD FIELD IMMUNE

M 12	
●	○
2 mm	4 mm
PTFE Coated Brass	
●	



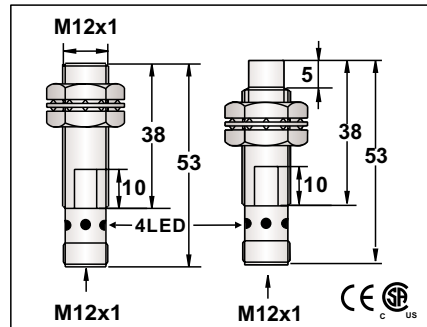
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
ETFE	

WCM1-1202N-ARS4	29	WCM2-1204N-ARS4
WCM1-1202N-BRS4	30	WCM2-1204N-BRS4
WCM1-1202P-ARS4	31	WCM2-1204P-ARS4
WCM1-1202P-BRS4	32	WCM2-1204P-BRS4

[illegible]

Approx.25 g	Approx.23 g
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M 12	
	
2 mm	4 mm
PTFE Coated Brass	
	

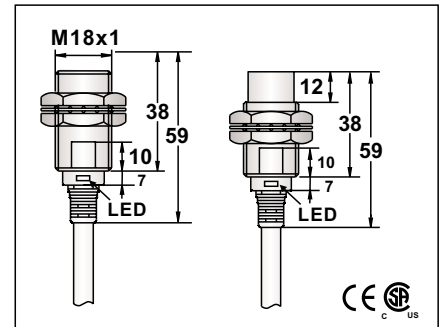


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
ETFE	

WCM1-1202N-ARU4	29	WCM2-1204N-ARU4
WCM1-1202N-BRU4	30	WCM2-1204N-BRU4
WCM1-1202P-ARU4	31	WCM2-1204P-ARU4
WCM1-1202P-BRU4	32	WCM2-1204P-BRU4

Approx.31 g	Approx.30 g
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M 18	
	
5 mm	8 mm
PTFE Coated Brass	
	



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	
ETFE	

WCM1-1805N-A3S2	1	WCM2-1808N-A3S2
WCM1-1805N-B3S2	2	WCM2-1808N-B3S2
WCM1-1805P-A3S2	3	WCM2-1808P-A3S2
WCM1-1805P-B3S2	4	WCM2-1808P-B3S2

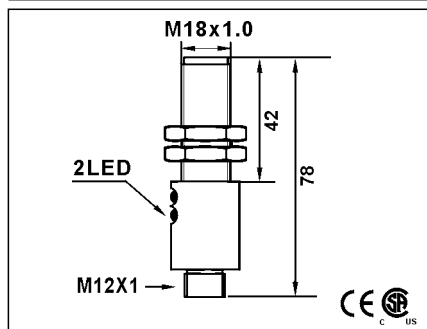
5.0 ϕ 44x0.1	
Approx.132 g	Approx.134 g

DC INDUCTIVE SENSORS WELD FIELD IMMUNE

[illegible][illegible][illegible]

DC INDUCTIVE SENSORS WELD FIELD IMMUNE

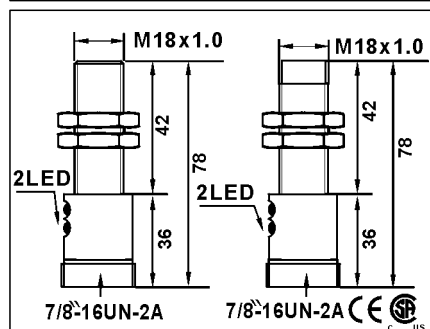
M 18
●
5 mm
PTFE Coated Brass
●



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
<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
ETFF

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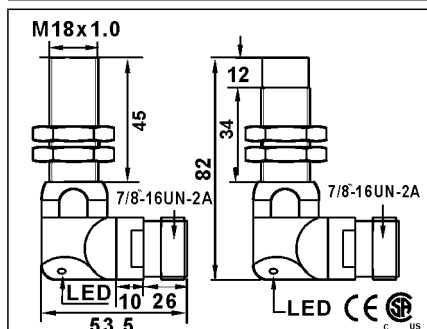
M 18	
●	
5 mm	8 mm
PTFE Coated Brass	
●	



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	
FTFF	

[illegible][illegible]

M 18	
	
5 mm	8 mm
PTFE Coated Brass	
	



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	
ETFF	

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DC INDUCTIVE SENSORS WELD FIELD IMMUNE

M 18	
	
5 mm	8 mm
PTFE Coated Brass	
	

Technical drawing of the LED module showing front and side views with dimensions:

- Front View (Left):**
 - Top mounting hole diameter: $M18 \times 1.0$
 - Distance between mounting holes: 45
 - LED chip dimensions: 10 (width) x 26 (height)
 - LED chip position offset: 10
 - Bottom mounting hole diameter: $M12 \times 1$
 - Bottom mounting hole offset: 53.5
- Side View (Right):**
 - Total height: 82
 - LED chip height: 12
 - LED chip offset: 34
 - Bottom mounting hole diameter: $M12 \times 1$
 - LED chip label: LED
- Logos:**
 - CE mark
 - UL mark
 - US mark

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

ETFE

WCM1-1805N-ARU4Y	29	WCM2-1808N-ARU4Y
WCM1-1805N-BRU4Y	30	WCM2-1808N-BRU4Y
WCM1-1805P-ARU4Y	31	WCM2-1808P-ARU4Y
WCM1-1805P-BRU4Y	32	WCM2-1808P-BRU4Y

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Approx.251 g	Approx.283 g
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M 18
●
5 mm
PTFE Coated Brass
●

Technical drawing of the LED module showing dimensions and components:

- M18x1.0**: Thread specification for the top mounting screw.
- 41**: Height of the module body.
- 67**: Total height of the module including the base.
- 2LED**: Label pointing to the two LED chips on the module.
- M12X1**: Thread specification for the base mounting screw.
- $\phi 25.4$** : Diameter of the base.
- CE** and **SP** marks: Certification marks.
- C** and **US**: Country of origin marks.

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
<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

ETFE

WCM1-1805N-ARU4Y/2	29
WCM1-1805N-BRU4Y/2	30
WCM1-1805P-ARU4Y/2	31
WCM1-1805P-BRU4Y/2	32

[illegible]

Approx.94 g

M 18
●
5 mm
PTFE Coated Brass
●

Technical drawing of the LED light fixture showing dimensions and specifications:

- Thread: M18x1.0
- Height of the mounting bracket: 41
- Total height: 67
- LED indicator: 2LED
- Thread: 7/8"-16UN-2A
- Base diameter: $\phi 25.4$
- Certification marks: CE, SP, US

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
<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

ETFE

WCM1-1805N-AZU4Y/2	37
WCM1-1805N-BZU4Y/2	38
WCM1-1805P-AZU4Y/2	39
WCM1-1805P-BZU4Y/2	40

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	Approx.98 g

DC INDUCTIVE SENSORS WELD FIELD IMMUNE

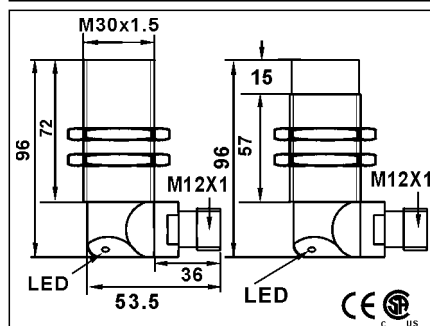
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DC INDUCTIVE SENSORS WELD FIELD IMMUNE

[illegible][illegible][illegible]

DC INDUCTIVE SENSORS WELD FIELD IMMUNE

M 30	
	
10 mm	15 mm
PTFE Coated Brass	
	

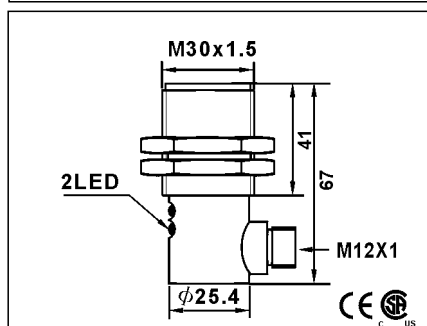


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
ETFF	

WCM1-3010N-ARU4Y	29	WCM2-3015N-ARU4Y
WCM1-3010N-BRU4Y	30	WCM2-3015N-BRU4Y
WCM1-3010P-ARU4Y	31	WCM2-3015P-ARU4Y
WCM1-3010P-BRU4Y	32	WCM2-3015P-BRU4Y

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M 30
●
10 mm
PTFE Coated Brass
●



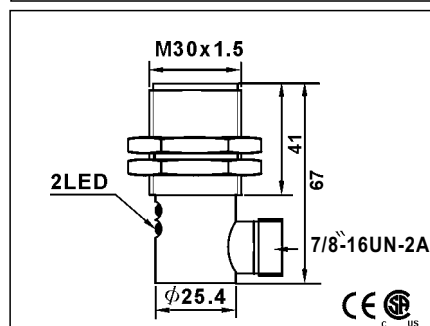
10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
300HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
ETFF

WCM1-3010N-ARU4Y/2	29
WCM1-3010N-BRU4Y/2	30
WCM1-3010P-ARU4Y/2	31
WCM1-3010P-BRU4Y/2	32

[illegible]

Approx. 250 g

M 30
●
10 mm
PTFE Coated Brass
●



10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
300HZ
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
FTTF

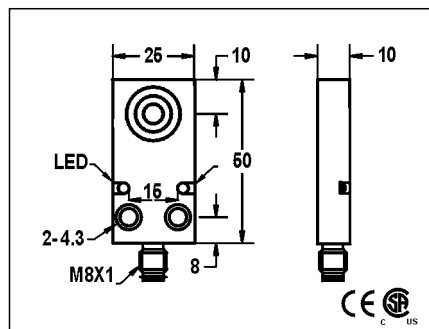
WCM1-3010N-AZU4Y/2	37
WCM1-3010N-BZU4Y/2	38
WCM1-3010P-AZU4Y/2	39
WCM1-3010P-BZU4Y/2	40

[illegible]

Approx.250 g

DC INDUCTIVE SENSORS WELD FIELD IMMUNE

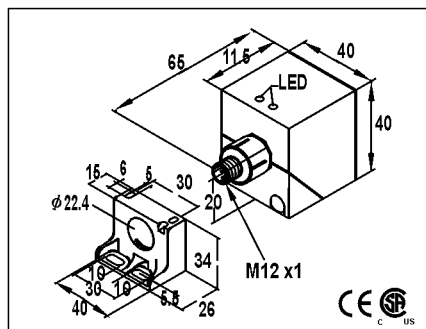
Q25x50x10
●
5 mm
PTFE Coated die-cast
●



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
<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
ETFE

[illegible][illegible]

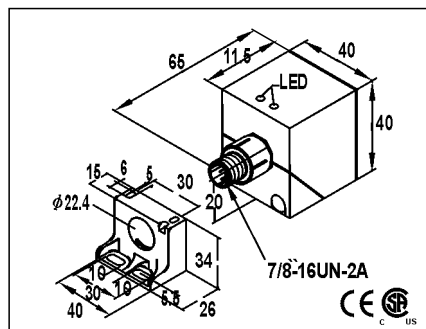
Q40s
●
15mm
PTFE Coated PBT / ALU
●



10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
100HZ
1ms/1ms
<15%
<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
ETFE

[illegible][illegible]

Q40s
●
15mm
PTFE Coated PBT / ALU
●



10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
100HZ
1ms/1ms
<15%
<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
ETFE

[illegible]

Approx.250g

AC INDUCTIVE SENSORS WELD FIELD IMMUNE

[illegible][illegible]

M 12					
2 mm			4 mm		
PTFE Coated Brass					
 M12x1 1/2"-20UNF 1/2"-20UNF CE					
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					
ETFE					
WCM1-1202A-AUS3		52	WCM2-1204A-AUS3		
WCM1-1202A-BUS3		52	WCM2-1204A-BUS3		
Approx.25 g			Approx.23 g		

AC INDUCTIVE SENSORS WELD FIELD IMMUNE

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AC INDUCTIVE SENSORS WELD FIELD IMMUNE

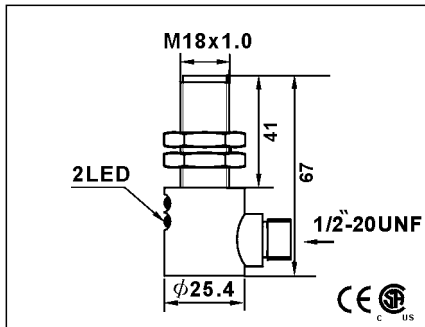
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AC INDUCTIVE SENSORS WELD FIELD IMMUNE

[illegible][illegible][illegible]

AC INDUCTIVE SENSORS WELD FIELD IMMUNE

M 18
●
5 mm
PTFE Coated Brass
●

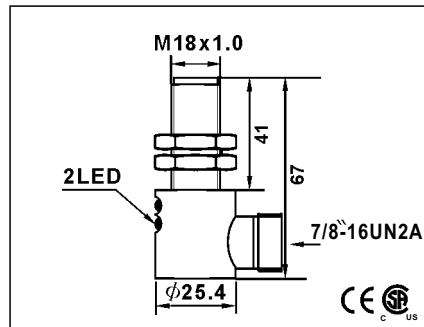


20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 200MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
ETFE

[illegible]

Approx.251 g

M 18
●
5 mm
PTFE Coated Brass
●

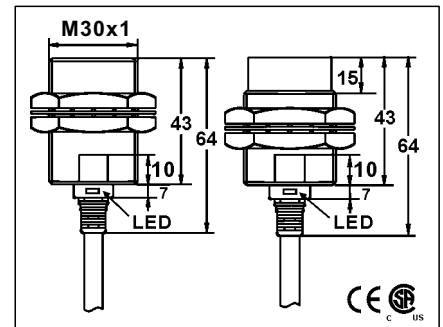


20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 200MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 ° C - +70 ° C
<10%(Sr)
NO
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
ETFE

[illegible]

Approx.260 g

M 30	
	
10 mm	15 mm
PTFE Coated Brass	
	



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
ETFE

[illegible]

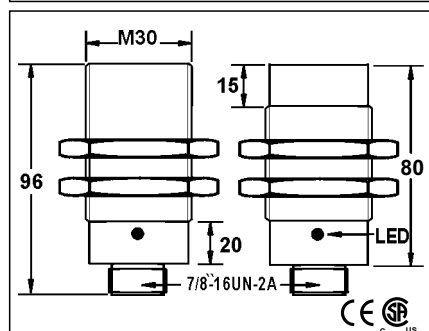
5.8 ϕ 3x0.5(6.8 ϕ 5x0.5)	
Approx.217 g	Approx.207 g

AC INDUCTIVE SENSORS WELD FIELD IMMUNE

[illegible][illegible][illegible]

AC INDUCTIVE SENSORS WELD FIELD IMMUNE

M 30	
	
10 mm	15 mm
PTFE Coated Brass	
	



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
-
-

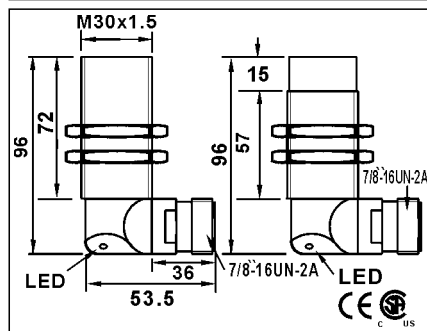
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2

ETFE

[illegible][illegible]

Approx.187 g	Approx.179 g
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M 30	
	
10 mm	15 mm
PTFE Coated Brass	
	



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

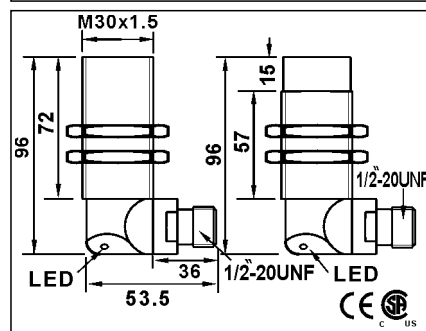
ETFE

[illegible]

--

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

M 30	
	
10 mm	15 mm
PTFE Coated Brass	
	



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

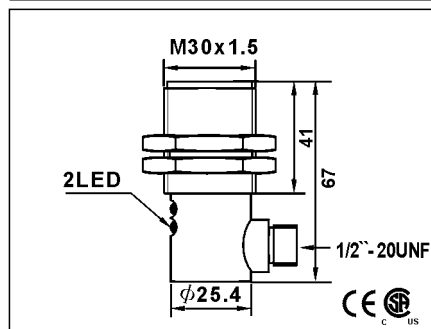
ETFE

[illegible]

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

AC INDUCTIVE SENSORS WELD FIELD IMMUNE

M 30
●
10 mm
PTFE Coated Brass
●

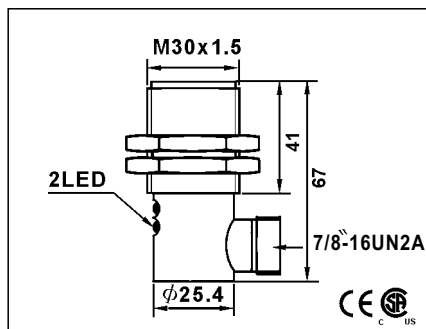


20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 200MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 ° C - +70 ° C
<10%(Sr)
NO
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
ETFE

[illegible]

Approx.250 g

M 30
●
10 mm
PTFE Coated Brass
●

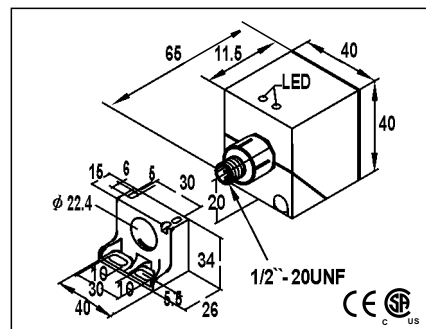


20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 [°] C - +70 [°] C
<10%(Sr)
NO
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
ETFE

[illegible]

Approx. 250 g

Q40s
●
15mm
PTFE Coated PBT / ALU
●



20-250VAC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
100HZ
1ms/1ms
<15%
<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
ETFE

[illegible]

Approx.250g

AC INDUCTIVE SENSORS WELD FIELD IMMUNE

[illegible]

AC/DC INDUCTIVE SENSORS WELD FIELD IMMUNE

M 12	
	
2 mm	4 mm
PTFE Coated Brass	

Technical drawing of the LED module showing dimensions and components. The drawing includes two views: a side view on the left and a front view on the right. The side view shows a total height of 57 mm, with a mounting bracket height of 38 mm, a mounting hole diameter of M12X1, a mounting hole offset of 10 mm, and a mounting hole offset of 7 mm. The front view shows a total height of 57 mm, with a mounting bracket height of 38 mm, a mounting hole diameter of M12X1, a mounting hole offset of 10 mm, and a mounting hole offset of 7 mm. The LED chip is labeled 'LED'.

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

[illegible]

4 Ø 3x0.34	
Approx.67 g	Approx.65 g

M 12	
	
2 mm	4 mm
PTFE Coated Brass	
	

Technical drawings of the LED module showing front and side views with dimensions:

- Front View (Left):** Shows a cylindrical component with a threaded top section labeled **M12x1**. The total height is **63**. The height of the main body is **38**. The height of the base section is **10**. The base section contains **4 LED** chips.
- Side View (Right):** Shows the component from the side. The total height is **63**. The height of the main body is **38**. The height of the base section is **10**. The base section contains **4 LED** chips.
- Threaded Section:** The top section is labeled **M12x1**.
- Base Section:** The base section contains **4 LED** chips.
- Threaded Section:** The top section is labeled **M12x1**.
- Base Section:** The base section contains **4 LED** chips.
- Threaded Section:** The top section is labeled **M12x1**.
- Base Section:** The base section contains **4 LED** chips.

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

[illegible]

Approx.31 g	Approx.30 g

M18	
	
5 mm	8 mm
PTFE Coated Brass	
	

Technical drawings of the LED light fixture showing front and side views with dimensions:

- Front View (Left):** Shows the fixture with a mounting bracket labeled "M18x1". The total height is 81 mm. The distance from the mounting bracket to the LED chip is 60 mm. The LED chip is 10 mm wide and 7 mm high.
- Side View (Right):** Shows the fixture from the side. The total height is 81 mm. The distance from the mounting bracket to the LED chip is 60 mm. The LED chip is 10 mm wide and 7 mm high.

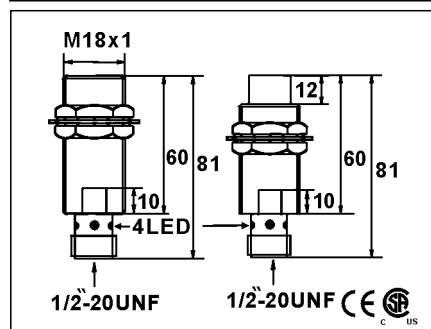
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
ETFE

[illegible]

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

AC/DC INDUCTIVE SENSORS WELD FIELD IMMUNE

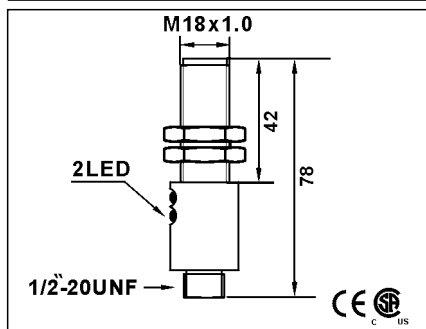
M 18	
	
5 mm	8mm
PTFE Coated Brass	
	



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
ETFF

[illegible][illegible]

M 18
●
5 mm
PTFE Coated Brass
●

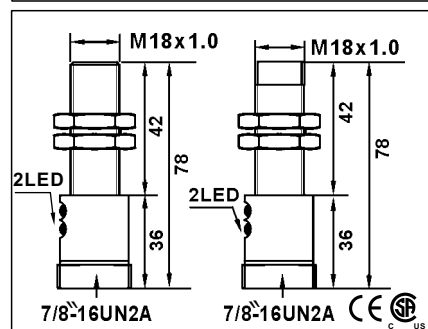


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
FTTF

[illegible]

Approx.91 g

M 18	
●	
5 mm	8 mm
PTFE Coated Brass	
●	



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
FTTF

[illegible]

Approx.94 g	
Approx.91 g	

AC/DC INDUCTIVE SENSORS WELD FIELD IMMUNE

[illegible][illegible][illegible]

AC/DC INDUCTIVE SENSORS WELD FIELD IMMUNE

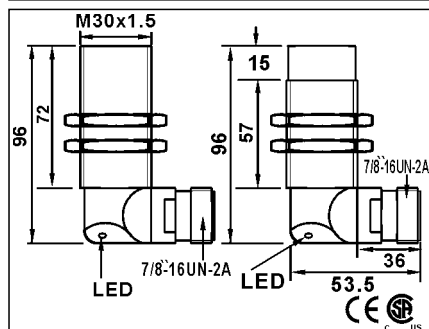
[illegible][illegible][illegible]

AC/DC INDUCTIVE SENSORS WELD FIELD IMMUNE

[illegible][illegible][illegible]

AC/DC INDUCTIVE SENSORS WELD FIELD IMMUNE

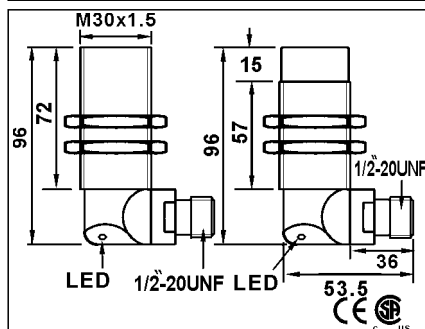
M 30	
	
10 mm	15 mm
PTFE Coated Brass	
	



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
ETFE

[illegible]

M 30	
	
10 mm	15 mm
PTFE Coated Brass	
	

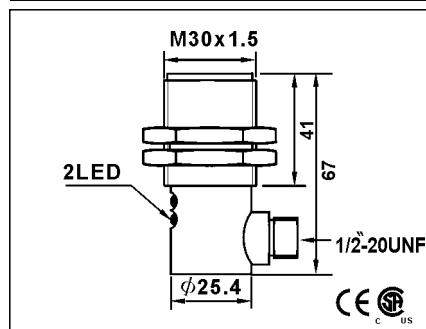


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
ETFE

[illegible]

Approx.311 g	Approx.356 g

M 30
●
10 mm
PTFE Coated Brass
●



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
ETFE

[illegible]

Approx.250 g

AC/DC INDUCTIVE SENSORS WELD FIELD IMMUNE

[illegible][illegible][illegible]