

**AC METAL FACE FERROUS/NON-FERROUS SENSING (Teflon Coating)**

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
AC 2 wire 20-250V N.O. FERROUS ONLY SENSING
AC 2 wire 20-250V N.C. FERROUS ONLY SENSING
AC 2 wire 20-250V N.O. NON-FERROUS ONLY SENSING
AC 2 wire 20-250V 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 18	
● 5 mm	○ 8 mm
SUS 303 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	
SUS 303 stainless steel	
FCS1-1805A-A3S2/FE-W	11 FCS2-1808A-A3S2/FE-W
FCS1-1805A-B3S2/FE-W	12 FCS2-1808A-B3S2/FE-W
FCS1-1805A-A3S2/NFE-W	11 FCS2-1808A-A3S2/NFE-W
FCS1-1805A-B3S2/NFE-W	12 FCS2-1808A-B3S2/NFE-W
xxxx-xxxxx-xxxx/FE	
xxxx-xxxxx-xxxx/NFE	
Target material: Ferrous	
Target material: Non-Ferrous	
5.8φ3x0.5	
Approx.132 g	Approx.134 g

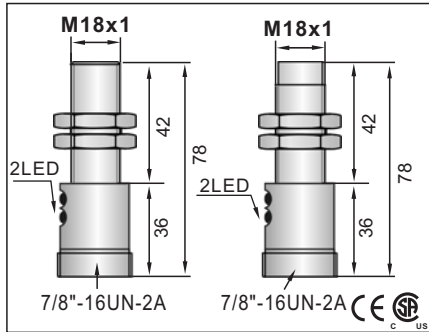
M18					
● 5 mm	○ 8 mm				
SUS 303 stainless steel					
●					
20-250VAC					
-					
<1.8mA					
400mA					
<1.8mA					
5A(20ms)					
5mA					
<8VAC AT 400MA					
<25HZ					
10ms/10ms					
<15%(Sr)					
<1.0%(Sr)					
IP67					
-25 °C - +70 °C					
<10%(Sr)					
NO					
-					
160MT					
RFI>10V/m / EFT>1KV / ESD>8KV (contact)					
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2					
SUS 303 stainless steel					
FCS1-1805A-A3L2/FE-W	11 FCS2-1808A-A3L2/FE-W				
FCS1-1805A-B3L2/FE-W	12 FCS2-1808A-B3L2/FE-W				
FCS1-1805A-A3L2/NFE-W	11 FCS2-1808A-A3L2/NFE-W				
FCS1-1805A-B3L2/NFE-W	12 FCS2-1808A-B3L2/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
5.8φ3x0.5					
Approx.153 g	Approx.144 g				

AC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR



## AC METAL FACE FERROUS/NON-FERROUS SENSING (Teflon Coating)

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

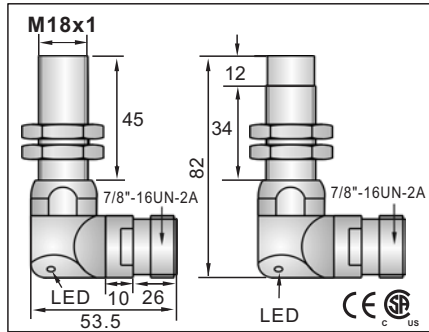


20-250VAC	
-	
<1.8mA	
400mA	
<1.8mA	
5A(20ms)	
5mA	
<8VAC AT 200MA	
<25HZ	
10ms/10ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
NO	
-	
160MT	
RFI>10V/m / EFT>1KV / ESD>8KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
SUS 303 stainless steel	


FCS1-1805A-AZS3/2/FE-W	65	FCS2-1808A-AZS3/2/FE-W	
FCS1-1805A-BZS3/2/FE-W	65	FCS2-1808A-BZS3/2/FE-W	
FCS1-1805A-AZS3/2/NFE-W	65	FCS2-1808A-AZS3/2/NFE-W	
FCS1-1805A-BZS3/2/NFE-W	65	FCS2-1808A-BZS3/2/NFE-W	


Approx.251 g	
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M 18	
●	○
5 mm	8 mm
SUS 303 stainless steel	
●	

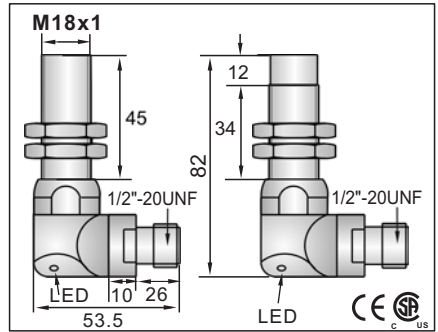


20-250VAC	
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<1.8mA	
400mA	
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5A(20ms)	
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<25HZ	
10ms/10ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
NO	
-	
160MT	
RFI>10V/m / EFT>1KV /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


FCS1-1805A-AZL3Y/FE-W	65	FCS2-1808A-AZL3Y/FE-W	
FCS1-1805A-BZL3Y/FE-W	65	FCS2-1808A-BZL3Y/FE-W	
FCS1-1805A-AZL3Y/NFE-W	65	FCS2-1808A-AZL3Y/NFE-W	
FCS1-1805A-BZL3Y/NFE-W	65	FCS2-1808A-BZL3Y/NFE-W	


Approx.251 g		Approx.283 g	
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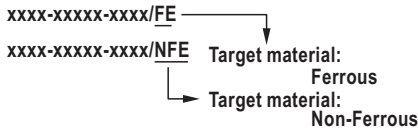
M 18	
●	○
5 mm	8 mm
SUS 303 stainless steel	
●	



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<1.8mA	
400mA	
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-25°C - +70°C	
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-	
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	


FCS1-1805A-AUL3Y/FE-W	56	FCS2-1808A-AUL3Y/FE-W	
FCS1-1805A-BUL3Y/FE-W	56	FCS2-1808A-BUL3Y/FE-W	
FCS1-1805A-AUL3Y/NFE-W	56	FCS2-1808A-AUL3Y/NFE-W	
FCS1-1805A-BUL3Y/NFE-W	56	FCS2-1808A-BUL3Y/NFE-W	


Approx.251 g		Approx.283 g	
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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

Note: Coming Soon : Part numbers with underline

AC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

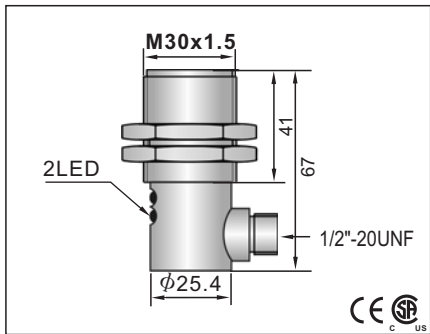






## AC METAL FACE FERROUS/NON-FERROUS SENSING (Teflon Coating)

M 30
●
10 mm
SUS 303 stainless steel
●

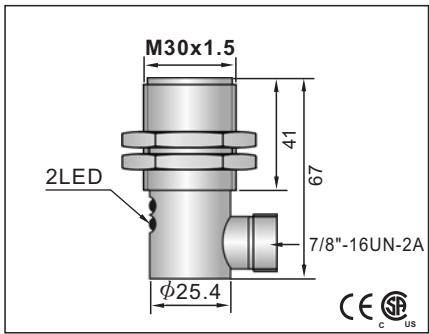


20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 200MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
160MT
RFI>8V/m / EFT>1KV / ESD>8KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
SUS 303 stainless steel

<u>FCS1-3010A-AUL3Y/2/FE-W</u>	56
<u>FCS1-3010A-BUL3Y/2/FE-W</u>	56
<u>FCS1-3010A-AUL3Y/2/NFE-W</u>	56
<u>FCS1-3010A-BUL3Y/2/NFE-W</u>	56

Approx.250 g
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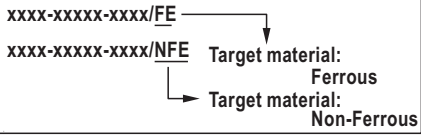
M 30
●
10 mm
SUS 303 stainless steel
●



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
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-
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

<u>FCS1-3010A-AZL3Y/2/FE-W</u>	65
<u>FCS1-3010A-BZL3Y/2/FE-W</u>	65
<u>FCS1-3010A-AZL3Y/2/NFE-W</u>	65
<u>FCS1-3010A-BZL3Y/2/NFE-W</u>	65

Approx.250 g
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AC METAL FACE FERROUS/NON-FERROUS SENSING SENSOR

Note: Coming Soon : Part numbers with underline