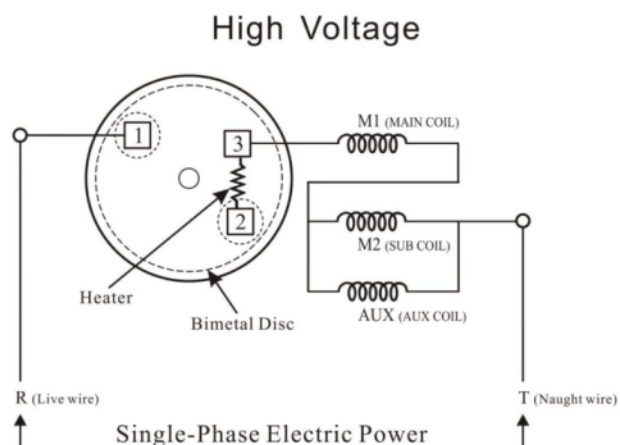




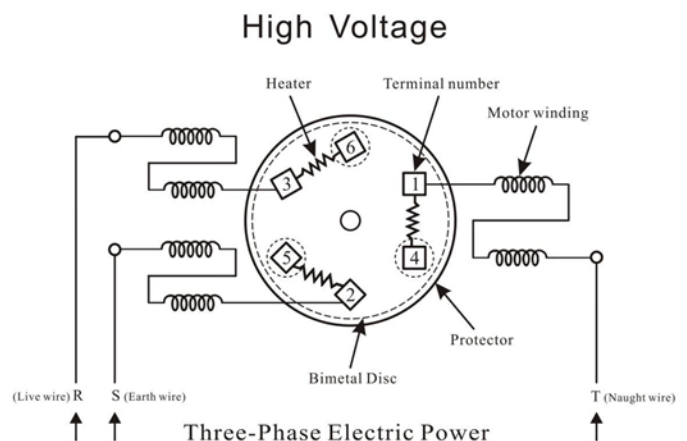
Dimensional Drawings (3/4" Single-Phase Motor Protectors)

Eared Base Manual Reset		Eared Base Auto Reset	
Round Base Manual Reset		Round Base Auto Reset	

Terminal Type

Dimension in mm

Fast Clip	Plate	Hook	Stub



Dimensional Drawings (3/4" Three-Phase Motor Protectors)

Eared Base Manual Reset		Eared Base Auto Reset	

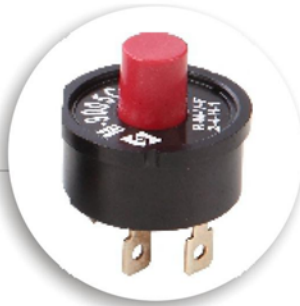
Terminal Type

Dimension in mm

Plate	Hook	Stub

SERIES M-9005C

1" Single-Phase Motor Protectors



Specifications

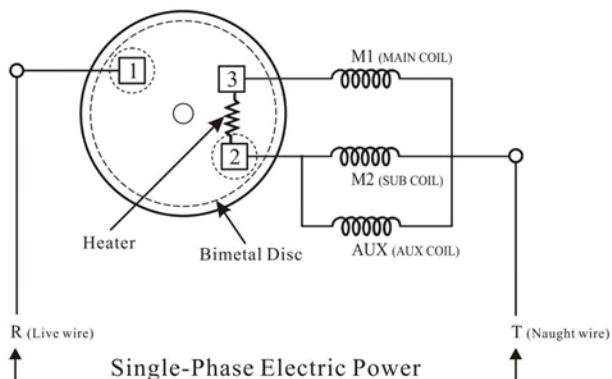
Protects motors : 1/6 HP To 5 HP
Operating temperature : 90°C~150°C
Operating tolerance : $\pm 5^{\circ}\text{C}$
Resume temperature tolerance : $\pm 12^{\circ}\text{C}$
Trip time : 10 ± 5 seconds
(Customization as per request)
Input power : 110-120 VAC/220-240 VAC
Contacts Type: Normally Close
Reset type : Automatic or Manual reset
Base type : Eared or Round
Terminal type : Fast Clip、Plate、Hook、Stub

Approvals

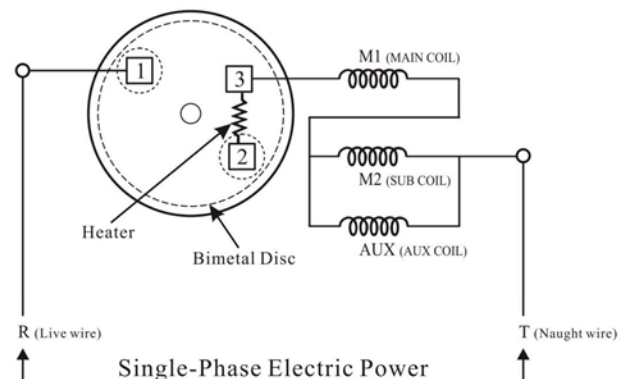
UL approval : 1/4 - 3 HP , 110-120 / 220-240 VAC , 90 °C- 135°C. (File No.: E125871)

Circuit Connection

Low Voltage



High Voltage



Dimensional Drawings (1" Single-Phase Motor Protectors)

Eared Base Manual Reset		Eared Base Auto Reset	
Round Base Manual Reset		Round Base Auto Reset	

Terminal Type

Dimension in mm

Fast Clip	Plate	Hook	Stub

SERIES M-9005D

1" Three-Phase Motor Protectors



Specifications

Protects motors : 3/4 HP To 5 HP
Operating temperature : 90°C~150°C
Operating tolerance : $\pm 5^{\circ}\text{C}$
Resume temperature tolerance : $\pm 12^{\circ}\text{C}$
Trip time : 10 ± 5 seconds

(Customization as per request)

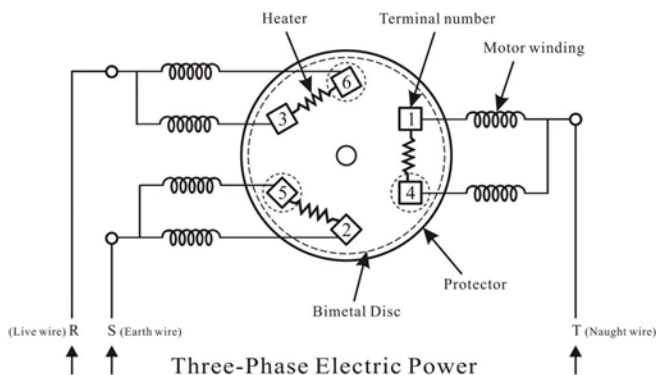
Input power : 220-240VAC / 440-480 VAC
Contacts Type: Normally Close
Reset type : Automatic or Manual reset
Base type : Eared or Round
Terminal type : Plate, Hook, Stub

Approvals

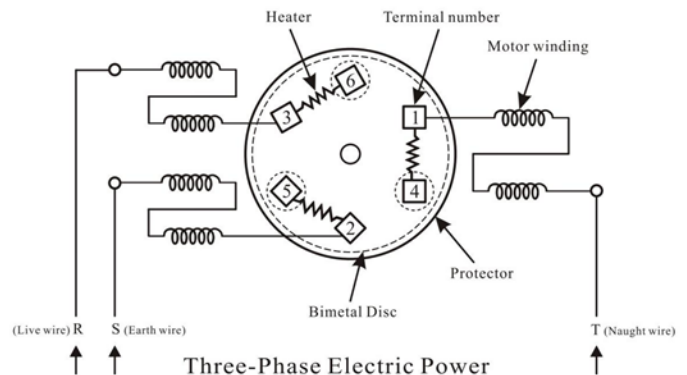
UL approval : 3/4 - 3 HP , 220-240 / 440-480 VAC , 90 °C- 135°C. (File No.: E125871)

Circuit Connection

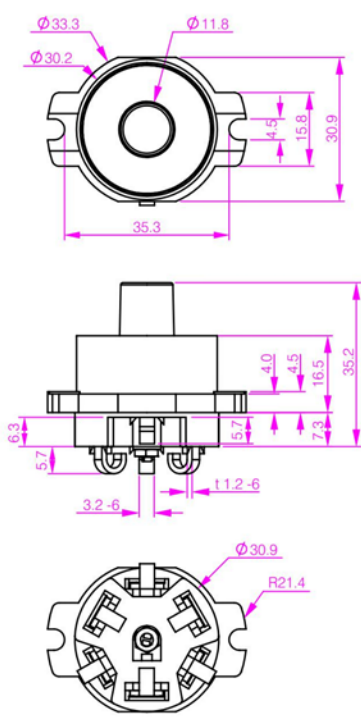
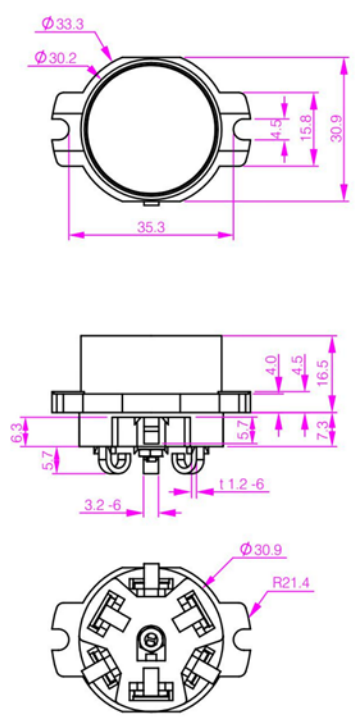
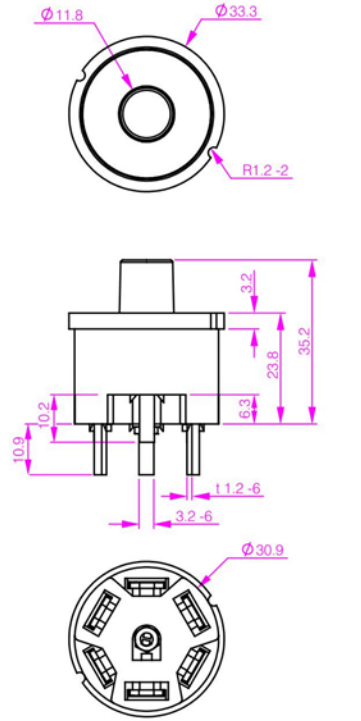
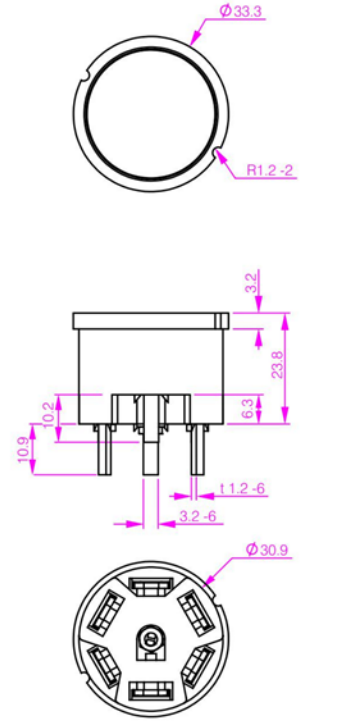
Low Voltage



High Voltage

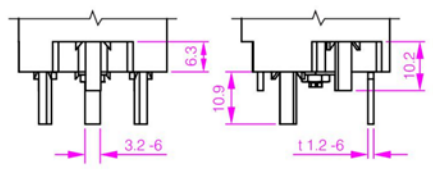
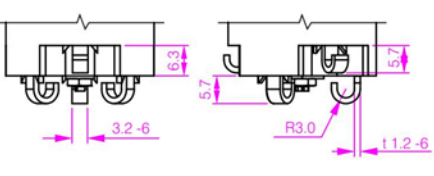
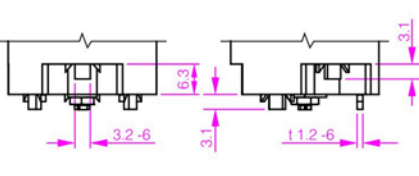


Dimensional Drawings (1" Three-Phase Motor Protectors)

Eared Base Manual Reset	 Top view dimensions: $\phi 33.3$, $\phi 30.2$, $\phi 11.8$, 35.3, 4.5, 15.8, 30.9. Side view dimensions: 35.2, 4.0, 4.5, 16.5, 7.3, 5.7, 6.3, 11.2-6, 3.2-6. Bottom view dimensions: $\phi 30.9$, R21.4.	Eared Base Auto Reset	 Top view dimensions: $\phi 33.3$, $\phi 30.2$, 35.3, 4.5, 15.8, 30.9. Side view dimensions: 16.5, 4.0, 4.5, 7.3, 5.7, 6.3, 11.2-6, 3.2-6. Bottom view dimensions: $\phi 30.9$, R21.4.
Round Base Manual Reset	 Top view dimensions: $\phi 11.8$, $\phi 33.3$, R12.2. Side view dimensions: 35.2, 3.2, 23.8, 6.3, 10.2, 10.9, 11.2-6, 3.2-6. Bottom view dimensions: $\phi 30.9$.	Round Base Auto Reset	 Top view dimensions: $\phi 33.3$, R12.2. Side view dimensions: 3.2, 23.8, 6.3, 10.2, 10.9, 11.2-6, 3.2-6. Bottom view dimensions: $\phi 30.9$.

Terminal Type

Dimension in mm

Plate	Hook	Stub
		

Type Code Structure

	9	5	A	E	M	A	F	1	1	A	06
--	---	---	---	---	---	---	---	---	---	---	----

Item: M-9005

Type: **A** = 3/4" Single-Phase
B = 3/4" Three-phase
C = 1" Single-Phase
D = 1" Three-phase

Base: **E** = Eared **R** = Round

Reset: **M** = Manual Reset **A** = Auto Reset

Operation Temperature:

Automatic Reset	
Open ±5℃	Close ±12℃
A : 90℃	57℃
B : 105℃	61℃
C : 105℃	69℃
D : 105℃	78℃
E : 120℃	61℃
F : 120℃	69℃
G : 120℃	78℃
H : 120℃	92℃
I : 135℃	61℃
J : 135℃	69℃
K : 135℃	78℃
L : 135℃	92℃
M : 135℃	102℃
N : 150℃	78℃
O : 150℃	102℃
P : 150℃	115℃

Manual Reset	
Open ±5℃	Close ±12℃
S : 90℃	54℃
T : 105℃	63℃
U : 105℃	74℃
V : 120℃	74℃
W : 135℃	96℃
Y : 150℃	96℃
Remark: - 20℃ No Reset	

Terminal Type: **F** = 2 Fast Clip (for 3/4" & 1" Single-Phase)
G = 3 Fast Clip (for 3/4" & 1" Single-Phase)
P = 3 Plate **Q** = 6 Plate **S** = 2 Stub **T** = 3 Stub
H = 2 Hook **I** = 3 Hook **J** = 6 Hook

Electrical Ratings: **1** = 110-120 VAC **2** = 220-240 VAC **3** = 440-480 VAC
4 = 110-120 / 220-240 VAC **5** = 220-240 / 440-480 VAC

Ambient Temperature: **1** = 0° ~ 10° **2** = 11° ~ 20° **3** = 21° ~ 30° **4** = 31° ~ 40°
5 = 41° ~ 50° **6** = 51° ~ 60° **7** = 61° ~ 70° **8** = 71° ~ 80°
9 = OVER 81°

Full Load Current:

A : 1A	J : 10A	S : 19A	1 : 27-28A
B : 2A	K : 11A	T : 20A	2 : 29-30A
C : 3A	L : 12A	U : 21A	3 : 31-32A
D : 4A	M : 13A	V : 22A	4 : 33-34A
E : 5A	N : 14A	W : 23A	5 : 35-36A
F : 6A	O : 15A	X : 24A	6 : 37-38A
G : 7A	P : 16A	Y : 25A	7 : 39-40A
H : 8A	Q : 17A	Z : 26A	8 : 41-42A
I : 9A	R : 18A		9 : 43-44A

Lock Load Current (Customization as per request)