SERIES M-9005A

3/4” Single-Phase Motor Protectors









Specifications

Protects motors：1/6 HP To 3 HP
Operating temperature：90℃~150℃
Operating tolerance：± 5℃
Resume temperature tolerance：± 12℃
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

Features

Single–Phase Type Motors
Normally closed contacts type
Solution to Motor Overheat and Locked rotor.
Temperature and Current Dual Protection
Used In Single and Dual Voltage Type Motors
Variety mounting and terminal options.

Application

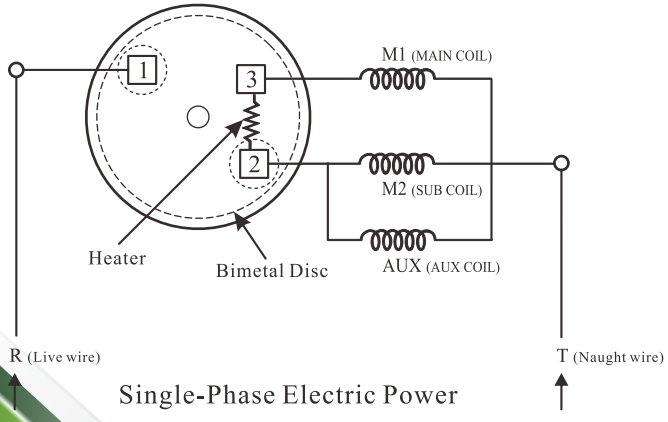
Industrial motors
Various types of pumps
Compressor
Air conditioning
Agricultural equipment
Home appliances

Approvals

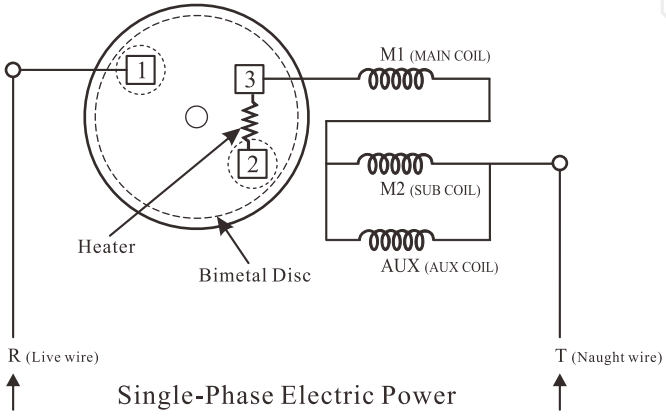
UL approval：1/6 - 2 HP，110-120 / 220-240 VAC，90 ℃- 135℃． (File No.: E125871)

Circuit Connection

Low Voltage

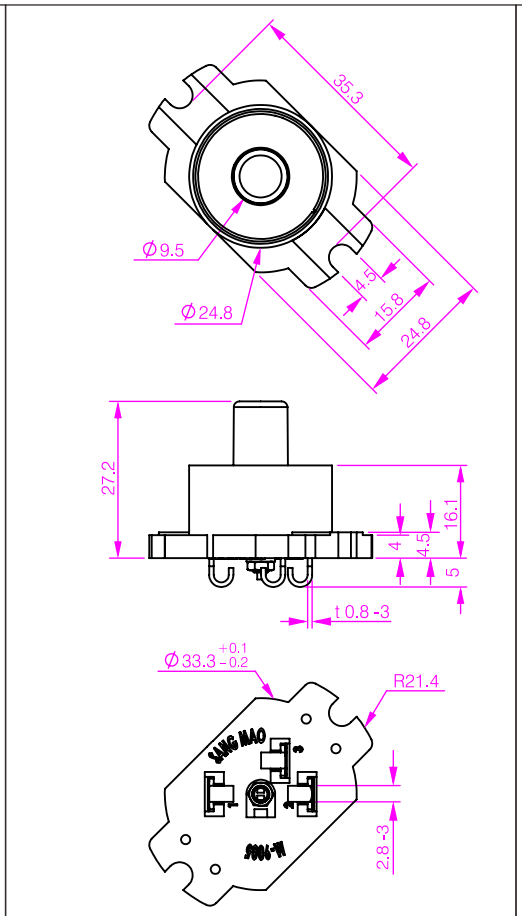


High Voltage

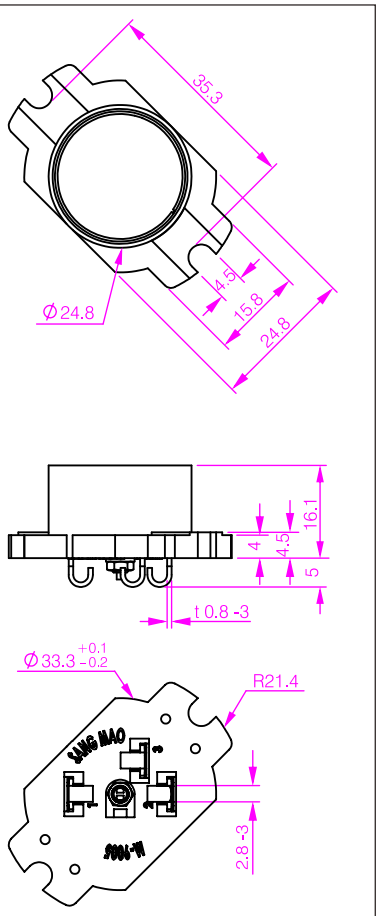


Dimensional Drawings (M-9005A 3/4” Single-Phase Motor Protectors)

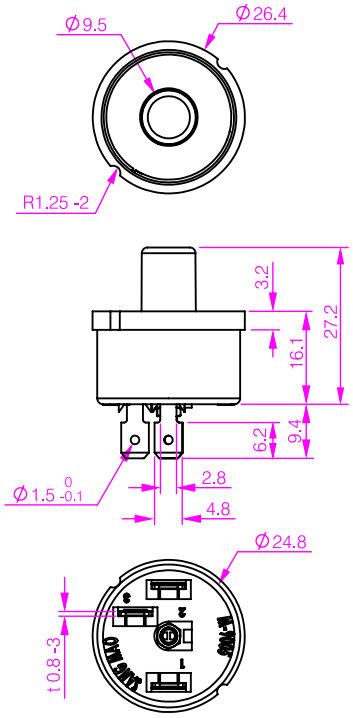
Eared Base
Manual Reset



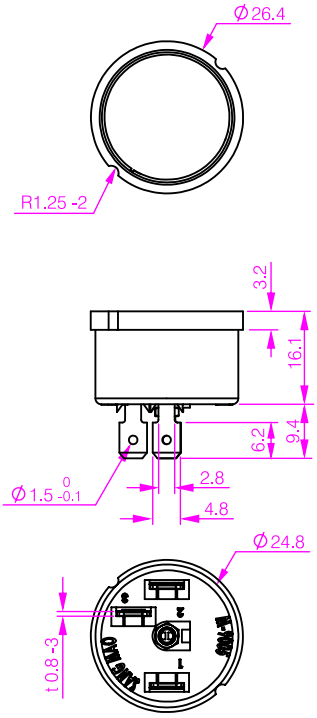
Eared Base
Auto Reset



Round Base
Manual Reset

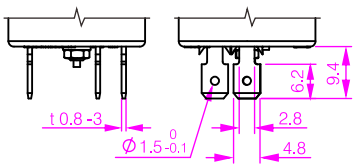
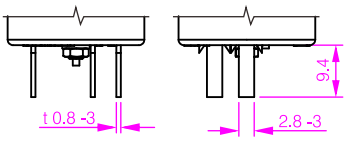
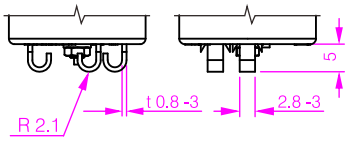
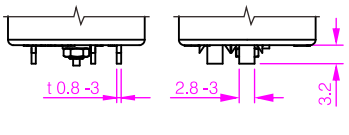


Round Base
Auto Reset



DIMENSION IN mm

Terminal Type

Fast Clip	Plate	Hook	Stub
			

SERIES M-9005B

3/4” Three-Phase Motor Protectors









Specifications

Protects motors：1/2 HP To 5 HP
Operating temperature：90℃~150℃
Operating tolerance：± 5℃
Resume temperature tolerance：± 12℃
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

Features

Three–Phase Type Motors
Normally closed contacts type
Solution to Motor Overheat and Locked rotor.
Temperature and Current Dual Protection
Used In Single and Dual Voltage Type Motors
Variety mounting and terminal options.

Application

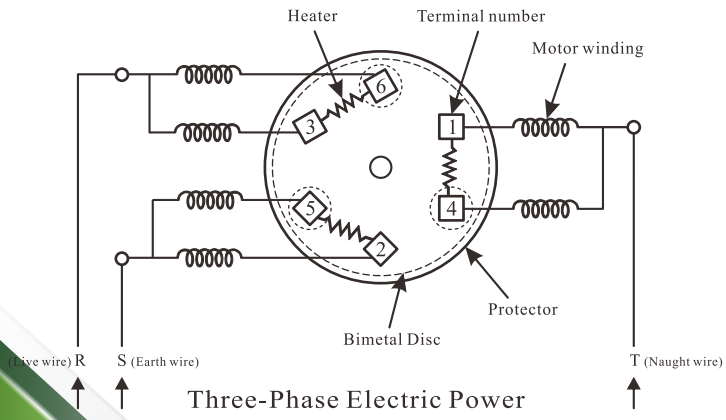
Industrial machinery motors
Water pump
Refrigerator compressor
Air conditioning fan
Agricultural equipment
Heating appliances

Approvals

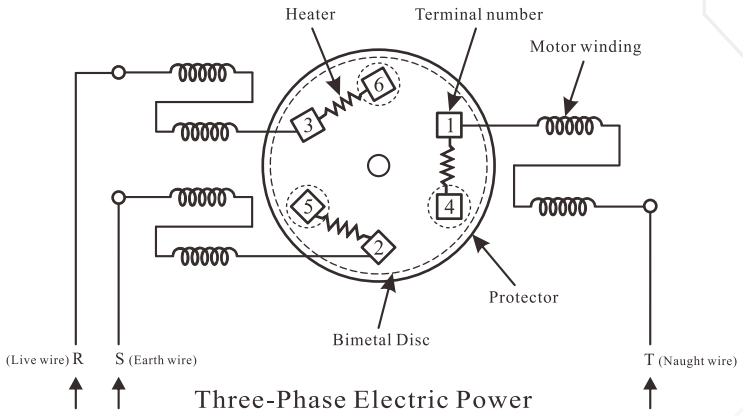
UL approval：3/4 - 2 HP，220-240 / 440-480 VAC，90 ℃- 135℃． (File No.: E125871)

Circuit Connection

Low Voltage

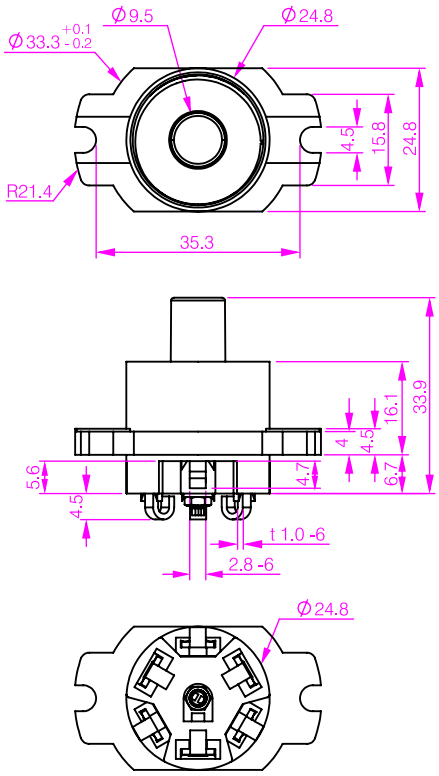


High Voltage

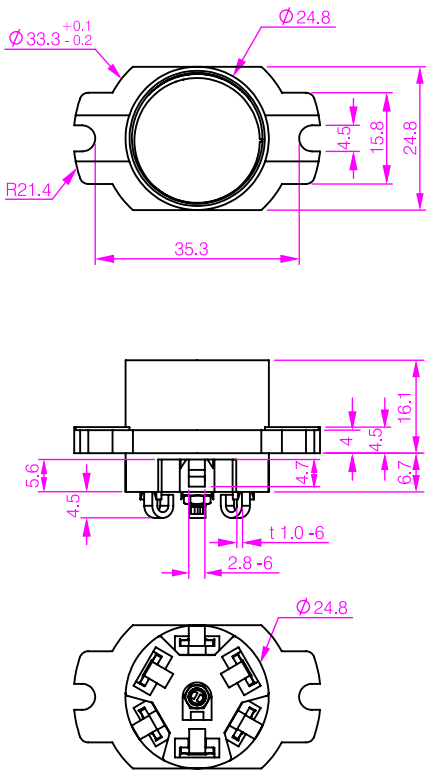


Dimensional Drawings (M-9005B 3/4” Three-Phase Motor Protectors)

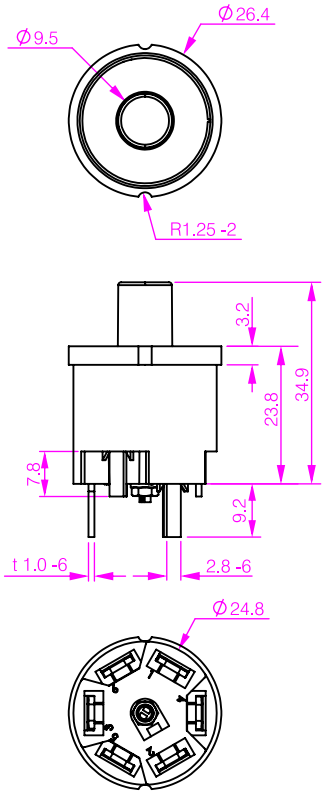
Eared Base
Manual Reset



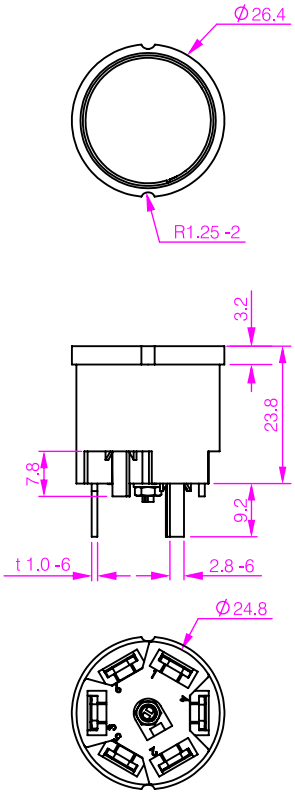
Eared Base
Auto Reset



Round Base
Manual Reset

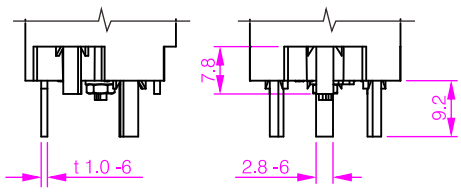
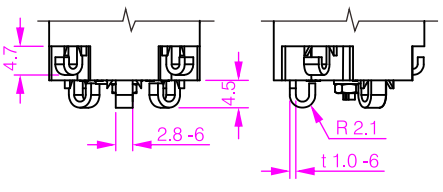
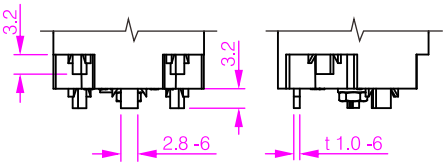


Round Base
Auto Reset



DIMENSION IN mm

Terminal Type

Plate	Hook	Stub
		

SERIES M-9005C

1” Single-Phase Motor Protectors









Specifications

Protects motors：1/6 HP To 5 HP
Operating temperature：90℃~150℃
Operating tolerance：± 5℃
Resume temperature tolerance：± 12℃
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

Features

Single–Phase Type Motors
Normally closed contacts type
Solution to Motor Overheat and Locked rotor.
Temperature and Current Dual Protection
Used In Single and Dual Voltage Type Motors
Variety mounting and terminal options.

Application

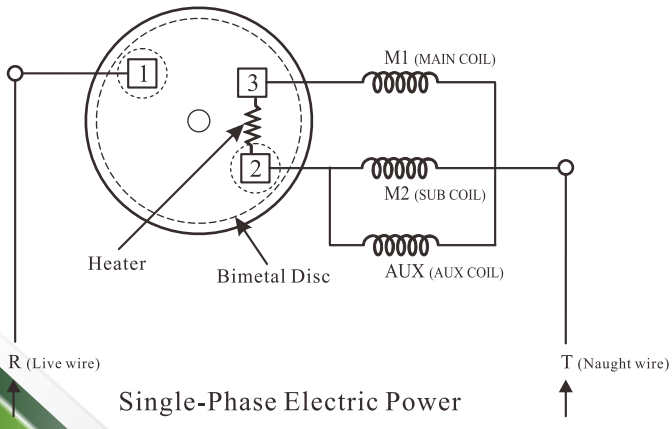
Industrial motors
Various types of pumps
Compressor
Air conditioning
Agricultural equipment
Home appliances

Approvals

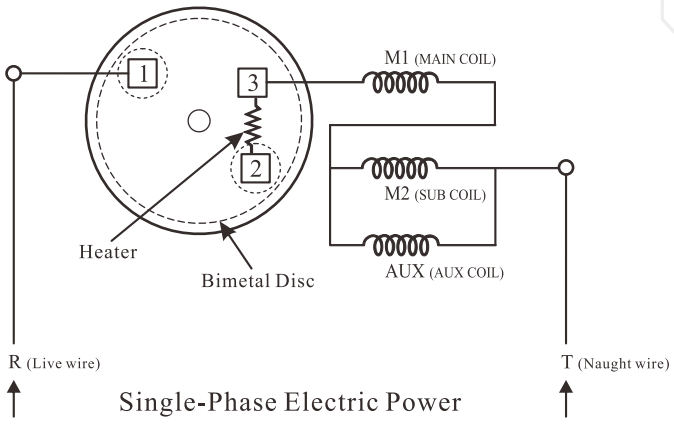
UL approval：1/4 - 3 HP，110-120 / 220-240 VAC，90 ℃ - 135℃． (File No.: E125871)

Circuit Connection

Low Voltage



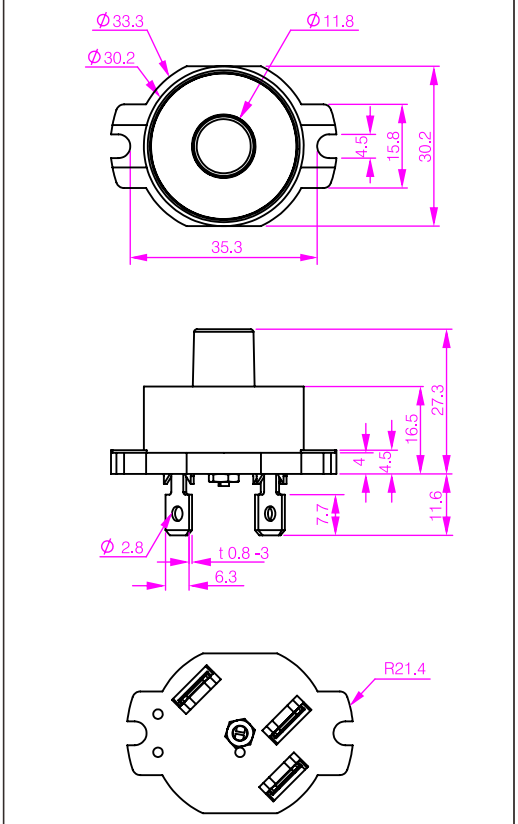
High Voltage



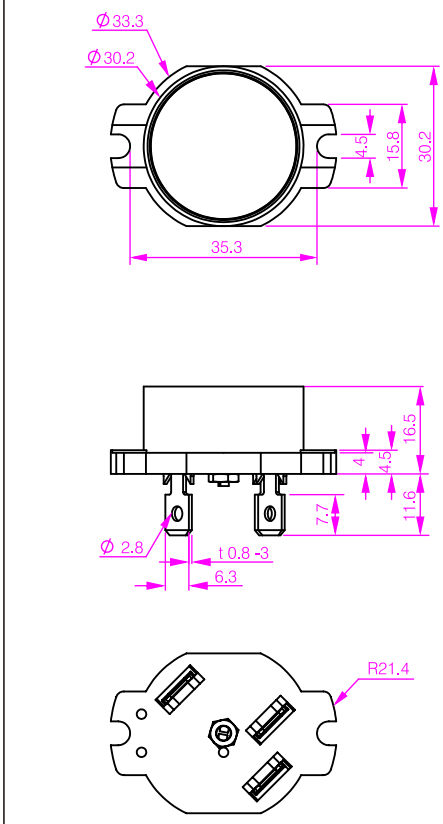
(95C171201) No extra notification for product scale change

Dimensional Drawings (M-9005C 1” Single-Phase Motor Protectors)

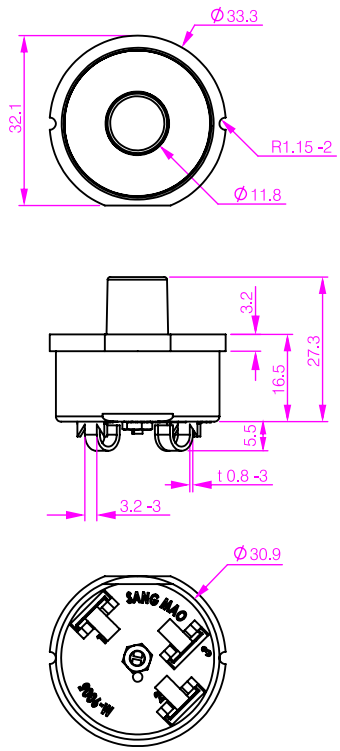
Eared Base
Manual Reset



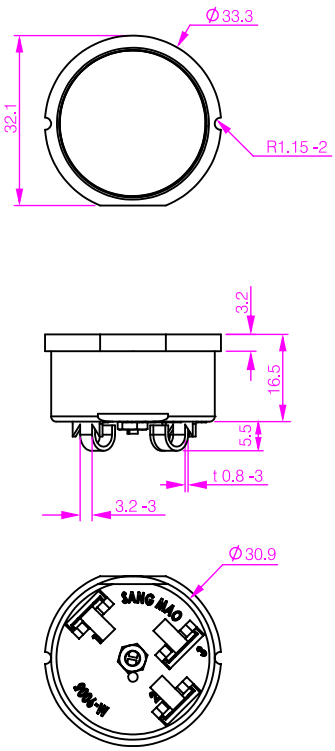
Eared Base
Auto Reset



Round Base
Manual Reset

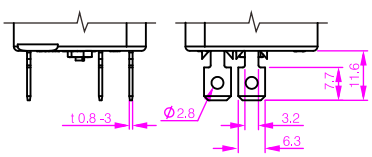
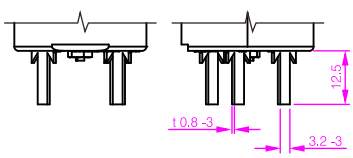
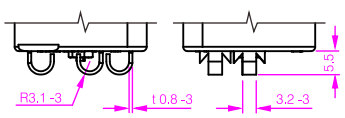
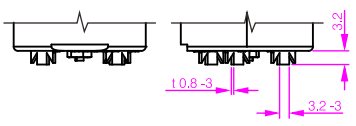


Round Base
Auto Reset



DIMENSION IN mm

Terminal Type

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℃~150℃
Operating tolerance：± 5℃
Resume temperature tolerance：± 12℃
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

Features

Three–Phase Type Motors
Normally closed contacts type
Solution to Motor Overheat and Locked rotor.
Temperature and Current Dual Protection
Used In Single and Dual Voltage Type Motors
Variety mounting and terminal options.

Application

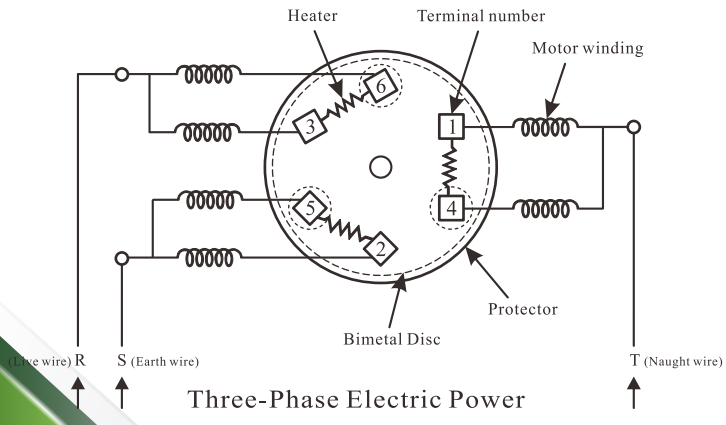
Industrial machinery motors
Water pump
Refrigerator compressor
Air conditioning fan
Agricultural equipment
Heating appliances

Approvals

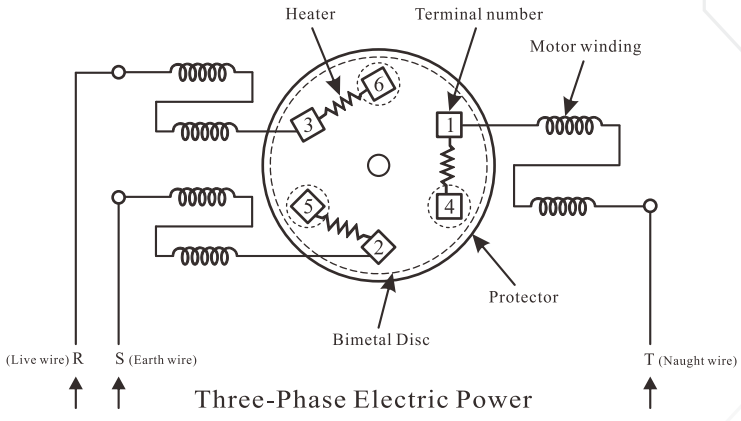
UL approval：3/4 - 3 HP，220-240 / 440-480 VAC，90 ℃ - 135℃． (File No.: E125871)

Circuit Connection

Low Voltage

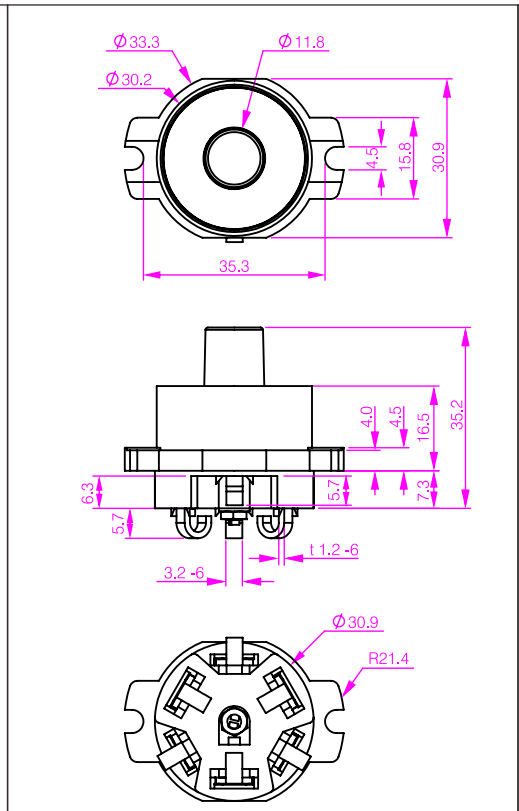


High Voltage

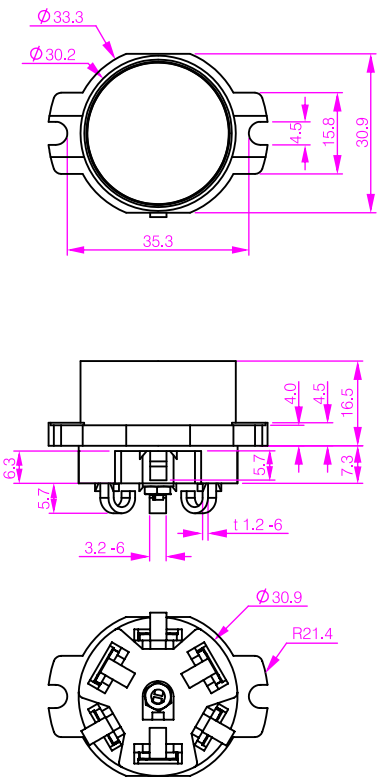


Dimensional Drawings (M-9005D 1” Three-Phase Motor Protectors)

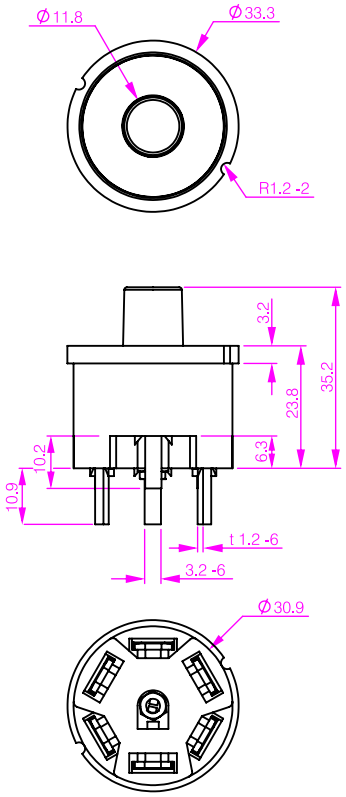
Eared Base
Manual Reset



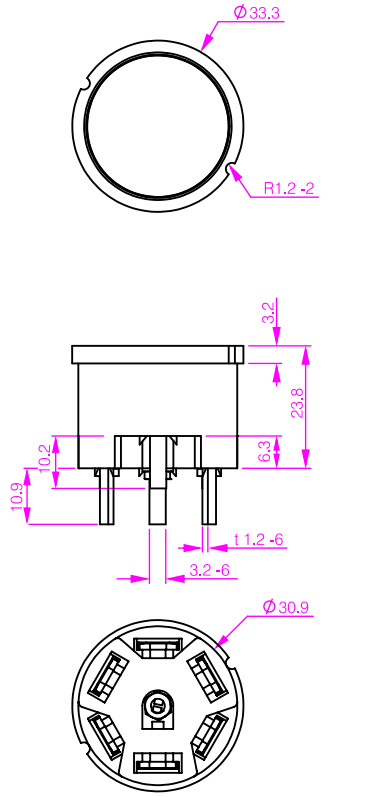
Eared Base
Auto Reset



Round Base
Manual Reset

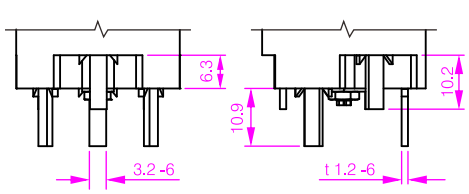
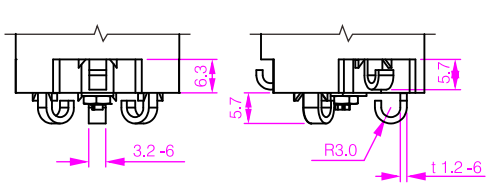
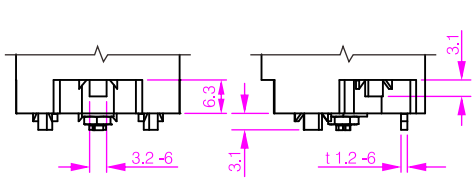


Round Base
Auto Reset



DIMENSION IN mm

Terminal Type

Plate	Hook	Stub
		

Type Code Structure

95	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
6 = 380-415 VAC **7** = 220-240 / 380-415 VAC **8** = 380-415 / 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)

(95X251004) No extra notification for product scale change