

Specification

Parameter	Description	
Main power	3Ø 220-380VAC, 8A (MAX 9A) , 50/60Hz	
Control voltage	DMC09AF-110: 110VAC, 50/60Hz, 20mA	P1/P2
	DMC09AF-220: 220VAC, 50/60Hz, 20mA	
Set current	0.5 ~ 9.0A	Tab buttons (SET, UP, DN)
Overload protection	See "Set current vs trip time"	
Abnormal wiring	See "Trip indication"	
Signal voltage	100 ~ 240VAC	A1/A2
Auxiliary contacts	NO	Run 13/14
	NO	Trip 07/08
	NC (NVR)	Stop 21/22
Insulation voltage	2kV	Between PCB and case
Insulation resistance	500VDC MEGGER	> 10MΩ
Temp. (Humidity)	-20°C ~ 60°C (85%RH)	
Dimensions (Weight)	118L X 55W X 74H (300g)	
Mounting	Din Rail (35mm) or Screw Mounting (M4)	

Setting

Parameter	Range	FND display
Standby	Measured current	0.0
Over current	0.5 ~ 9.0A	0.85
OC time	0.5 ~ 30.0sec	0.300
Under current	0.5 ~ 9.0A	0.60
UC time	0.5 ~ 30.0sec	0.250
Reset time	0.5sec ~ 60min	0.250
	Disabled (- - -)	

- Press "SET" (button) to go to next parameters
- Press "UP" (button) to increment range values
- Press "DN" (button) to decrement range values
- Return to "Standby" mode in 3 seconds without any button touched"

Approvals   **RoHS**

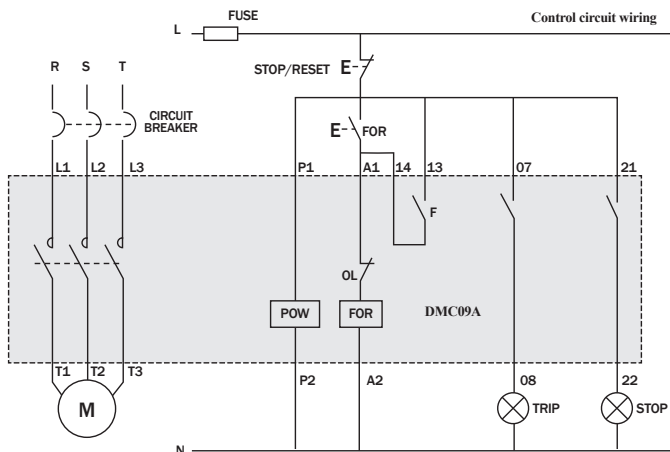
Trip indication

Protection type	Conditions	LED display	Reset
Over current	Measured current is bigger than set (over) current for OC time	0.90	Pushed "SET" (button) or elapse of reset time
Under current	Measured current is less than set (under) current for UC time	0.50	
Overload	See "Set current vs trip time"	L300	Pushed "SET" (button) or Control voltage interruption
Inrush current	0.01sec at start-up	Ft-c	
Phase loss (R or T)	0.01sec at start-up	PL-r	
Reverse phase	0.01sec at start-up	Pt-r	
Low voltage	0.02sec at start-up or running	Ft-E	

Set current vs trip time

Multiple of set current	X 7	X 6	X 5	X 4	X 3	X 2	X 1.2
Trip time (sec)	1.1	1.3	2.0	3.2	6.0	18.0	30.0

Wiring



Dimensions

