

## Feature

- Hybrid switching contacts (Electronic and Mechanical contacts are connected in parallel)
- Change directions of motor rotation
- Easy wiring (built-in interlocks)
- Motor protections
- Trip diagnostics
- Compact sized
- MCU embedded

**Application** Tapping machines, Hoists, Doors, Conveyers

**Approvals**   **RoHS**

## Specification

Parameter		Description		
Main power		3Ø 220-380VAC, 8A (MAX 9A) , 50/60Hz		
Control voltage	DMC09RL-110: 110VAC, 50/60Hz, 20mA	P1/P2		
	DMC09RL-220: 220VAC, 50/60Hz, 20mA			
Set current	1.2 ~ 9.0A	Load(VR) knob		
Overload protection	See "Set current vs trip time"			
Abnormal wiring	See "Trip indication"			
LED display	Remain "On" state if motor current is bigger than set current			
Signal voltage	100 ~ 240VAC	F/A2 , R/A2		
Auxiliary contacts	NO	100-240VAC, 0.1 A	Forward run	13/14
	NO		Reverse run	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)			

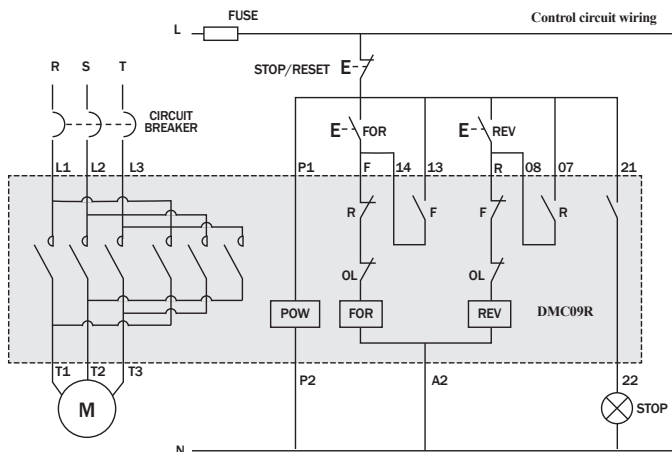
## Trip indication

Protection type	Conditions	LED display	Reset
Phase loss (R or T)	0.01sec at start-up	Flicker 1 times	Control voltage interruption (P1/P2)
Reverse phase	0.01sec at start-up	Flicker 2 times	
Overload	See "Set current vs trip time"	Flicker 3 times	
Inrush current	0.01sec at start-up	Flicker 4 times	
Low voltage	0.02sec at start-up or running	Flicker 5 times	
Diagnostic error	Intrinsic failure	Flicker 6 times	

## 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

