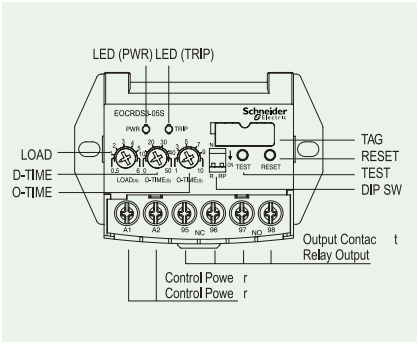


EOCR-DS1 (T)/DS3 (T)

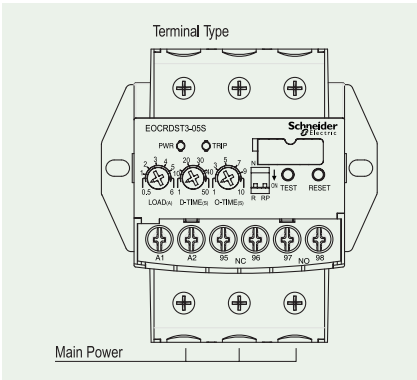


EOCR-DS1(T) / DS3(T)

- Built-in MCU (Microprocessor Control Unit)
 - Micro Slim Design
 - Various protection functions
 - Separate settings for start delay time and operation time
 - Operating current check: Red LED
 - Operation display and trip cause check
 - Manual (instant)/electrical reset
 - Strong environmental resistance
 - Super energy-saver
 - No-voltage release/Fail-safe operation→ N type
- ※ (T): Terminal Type
※ AC/DC Operating Power Supply Integration (Free voltage)
※ DS1(T), DS3(T): for 3-phase
※ Can select N/R via frontal DIP SW, can set reverse phase to ON/OFF



EOCR-DS



EOCR-DST

Protection Functions and Characteristics

Model	Protection Function				Operation Characteristics	Operation Time		Protected Items	Operation Time
	Over Current	Phase Loss	Reverse Phase	Locked Rotor		Start Delay	Operation Time		
DS1 (T)	○	○	○	○	Inverse	0~50 sec	1~10 sec	Over Current	Operates after the set O-Time
DS3 (T)	○	○	○	○	Definite	1~50 sec	1~10 sec	Phase Loss	Within 4 sec
								Reverse Phase	Operates in 0.3 sec
								Locked Rotor	Operates after the set D-Time

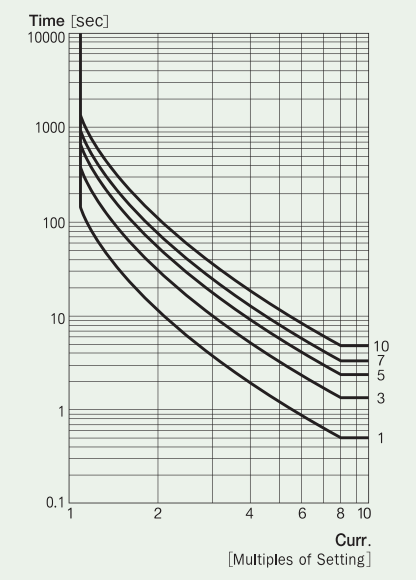
- Locked rotor protection operates instantly when current equal to 300% of the set current or higher flows after the set start delay time (D-TIME).
- Over Current operation time of DS1(T) depends on the Inverse characteristic curve.

Trip Cause Check

EOCR-DS1 [T]/DS3 [T]

Condition			LED Signal (Pulse Chart)			
			Green LED		Red LED	
Power Supply			Flicker		Lights-out	
In Operation			Flicker		Flicker	
Normal operation			Lights-on		Lights-out	
In overload			Lights-on		Flicker	
Upon operation /trip	Over Current		Lights-out		Lights-on	
	Locked Rotor		Lights-out		Flicker	
	Phase Loss	L1	Lights-out		Repeats flickering once	
		L2	Lights-out		Repeats flickering 2 times	
		L3	Lights-out		Repeats flickering 3 times	
	Reverse Phase		Repeats alternate flickering			

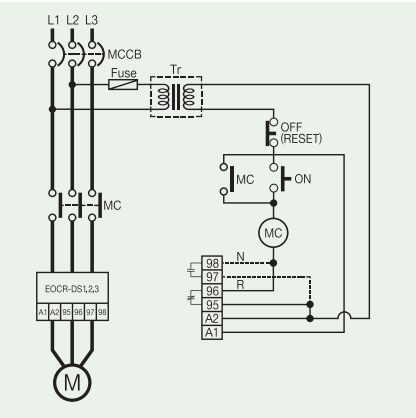
EOCR-DS1 (T)/DS3 (T)



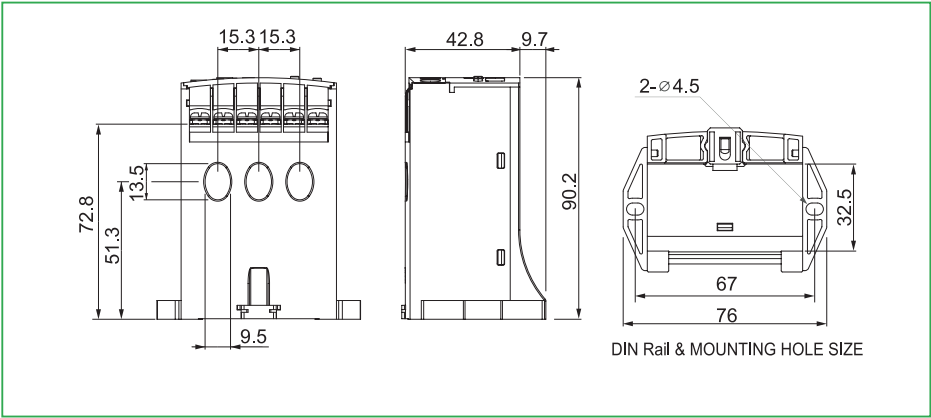
EOCR-DS1 (T)-05Type Inverse Characteristic Curve

Specifications

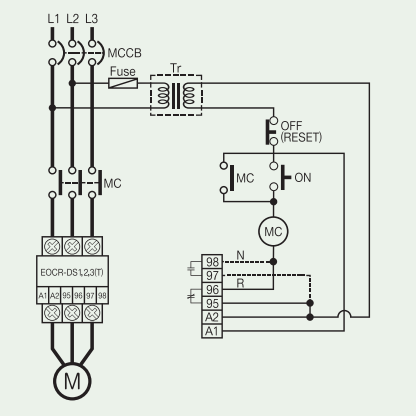
Current Setting		Type	Setting Range (DS1)	Setting Range (DS3)
		5	0.5~6A	0.5~6A
		30	3.0~30A	3.0~30A
		60	-	5.0~60A
Time Setting	Start Delay Time	D-TIME	0~50 sec	1~50 sec
	Operation Time	O-TIME	1~10 sec	1~10 sec
Reset			Manual (instant)/electrical (remote) reset	
Operation Time Characteristic			Inverse	Definite
Operating Power Supply	Voltage	S	24~240V AC/DC	
		W	380~480V AC	
	Frequency		50/60Hz	
Auxiliary Contact	Type		2-SPST (1a1b)	
	State	R Type	Normally de-energized (regardless of power supply: 95-96 Close, 97-98 Open)	
		N Type	Normally energized (after power is supplied: 95-98 Open, 97-98 Close)	
	Rating		AC250V/3A resistive load	
Attachment			35mm DIN Rail/Panel	



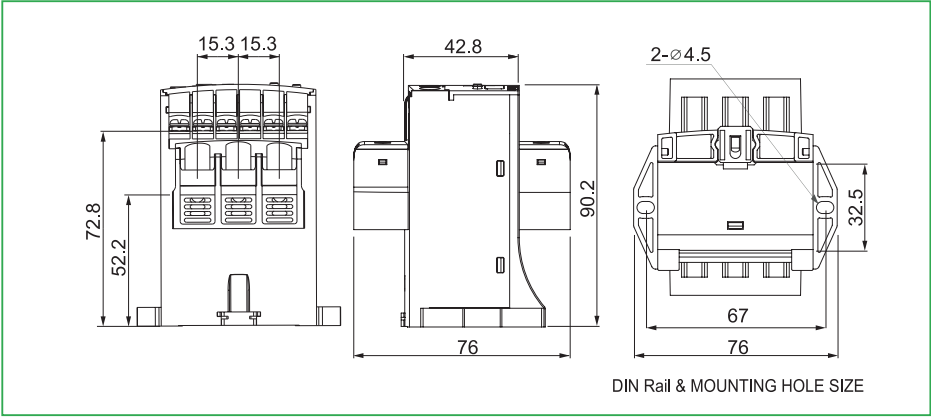
-DS1/DS3



EOCR-DS1 / DS3



EOCR-DS1T/DS3T



EOCR-DS1T / DS3T

※“N”(Fail safe)Type converts 95-96 to open and 97-98 to close when operating power is supplied to A1 and A2 (or L1 and L2).

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