Characteristics DMP Series
DMP-S/SZ/SI, T/TZ/TI Type

Extention type (with cable)

- Unit type or extension type is available
  - Extension type:Remotely mounts the display unit on the panel surface
- Ampere meter function: current and setting value by press the display button
- Select the inverse time or definite time
- Display the causes of the fault and the values

Protect function

Over current	Depend on setting time	Selectable the inverse/definite
Phase failure	Within 3seconds	Over 70% of the rate of unbalance
Phase unbalance	Within 5seconds	Over 50% of the rate of unbalance
Reverse phase	Within 0.1seconds	Function enable
Stall	Within 5seconds	Over 180% of the setting current
Lock	Within 0.5seconds	Setting 200~900% of rated current
Under current	Within 3seconds	Setting 30~70% of rated current
Ground fault (Note)	Selectable 0.05~1.0seconds	Grounded current setting by dip s/w (100~2500mA)
Short circuit	Within 50ms	300~1800% of rated current

Note) Lock protection is operated after setting D-time in case of definite time type

Function selection

FUNC	Sel	Description
1. CHA	Inv/dEF	Operating characteristics setting (Inverse/definite time type)
2. dEF (Note1)	0~30 (S)	Setting the operating time (In definite type)
3. r.P	oFF/on	Reverse phase enable
4. Und	oFF/30~70 (%)	Under current enable and setting
5. Alt	oFF/60~110 (%)	Alerting enable and setting (DMP-S, T type)
5. g-F	oFF/0.05~1.0 (S)	Ground fault enable and setting (DMP-Z type)
5. Sho	oFF/300~1800 (%)	Short current enabling and setting (DMP-I type)
6. Stl	oFF/on	Stall enable
7. Loc	oFF/200~900 (%)	Lock enable and setting
8. Ct	1~120	CT ratio setting
9. P.F	on/oFF	Phase fault enable
A. gFd (Note2)	oFF/on	Setting delay of ground fault (DMP-Z type)
b. StA	0~120	Operating time setting by month (DMP-a type)
c. StH	10~730	Operating time setting by hour (DMP-a type)
d. tAH	A000,000.0	Displaying total operating time (month, hour) (DMP-a type)
E. rAH	A000,000.0	Displaying operating time (month, hour) (DMP-a type)
Sto	Sto	Store

Note) 1. 2.dEF is only displayed when dEF s selected in a 1.CHA mode
2. Functions for A to E are available for only DMP-a type.

Ratings

Model			DMP□-S/Sa, T/Ta, SI	DMP□-SZ/SZa/SI, TZ/TZa/TI
Type	Wiring method		S: Screw, T: Tunnel	
	Panel mount		Unit or Extension	
Operating characteristics			Inverse/definite type	
Alerting function			Variable between 60 and 110%	
Current range (A)			06: 0.5~6, 36: 3~36, 60: 5~60	
Setting time	Definite	Delay (D-T)	0~60seconds	
		Operating (O-T)	0~30seconds	
	Inverse		0~60seconds	
	Reset type		Manual reset	
Operating voltage	voltage		AC 110V/220V (±10%)	
	Frequency		50/60Hz	
	ZCT input (07-08)		200mA/110mV (ZCT) [30ø, 50ø, 65ø, 80ø]	
Aux. contacts			3A/250Vac resistive load	
Indicate	7-segment		3-phase current value, fault cause	
	Bar-LED arrays		Load ratio (60~110%)	
Mounting			35mm Din-rail/Panel	
Certification			UL, cUL, CE (Except DMP36 type)	