

Characteristics DMP Series

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

- 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



Extension type (with cable)

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 ^{Note1}	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] is selected in a [T.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	0~60seconds
	Delay (D-T)	0~30seconds
	Operating (O-T)	0~60seconds
	Inverse	0~60seconds
	Reset type	Manual reset
Operating voltage	voltage	AC 110V/220V (±10%)
	Frequency	50/60Hz
	ZCT input (07-08)	200mA/110mV (ZCT) [30 φ, 50 φ, 65 φ, 80 φ]
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)