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## TM-D Thermal-Magnetic Trip Unit for 3P and 4P Circuit Breakers up to 63 A

### Introduction

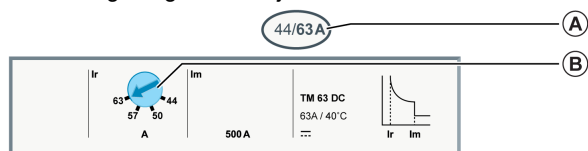
The TM-D thermal-magnetic trip unit for 3P/4P circuit breakers up to 63 A are interchangeable trip units. They are designed for AC and DC general-purpose applications.

The TM-D interchangeable 3P/4P trip units provide:

- adjustable thermal threshold
- fixed magnetic pickup

### Description

The setting range and adjustment dials are on the front of the trip unit.

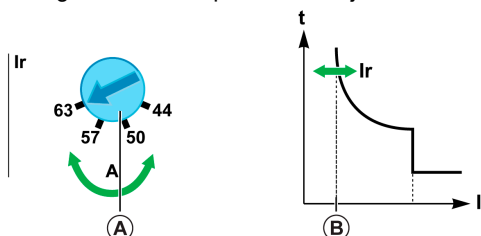


- A** Setting range for TM-D thermal-magnetic 3P/4P trip unit  
**B** Adjustment dial for the thermal protection pickup  $I_r$

### Setting the Thermal Protection

The thermal protection pickup  $I_r$  is set by a 4-setting dial.

Turning the thermal protection adjustment dial (**A**) modifies the trip curve as shown (**B**).



The table below shows the values of the pickup  $I_r$  (in amperes) for thermal protection (values indicated on the dial) with respect to every trip unit rating, relative to the position of the dial  $I_r$ .

Trip unit rating $I_n$ (A) at 40 °C (104 °F)	16	25	32	40	50	63
Pickup $I_r$ (A) at 40 °C (104 °F)	11	18	22	28	35	44
	13	20	26	32	40	50
	14	23	29	36	45	57
	16	25	32	40	50	63

### Setting the Magnetic Protection

The magnetic protection pickup cannot be adjusted and equals the value shown below:

Fixed pickup $I_m$ (A) +/- 20%	Trip unit rating $I_n$ (A)					
	16	25	32	40	50	63
Marked AC value <sup>(1)</sup>	190	300	400	500	500	500
True DC value	260	400	550	700	700	700

(1) TM-D 3P/4P trip units up to 63 A are marked with AC values. A correction coefficient is required to obtain the DC pickup values indicated.

