

MX MCCB Type A

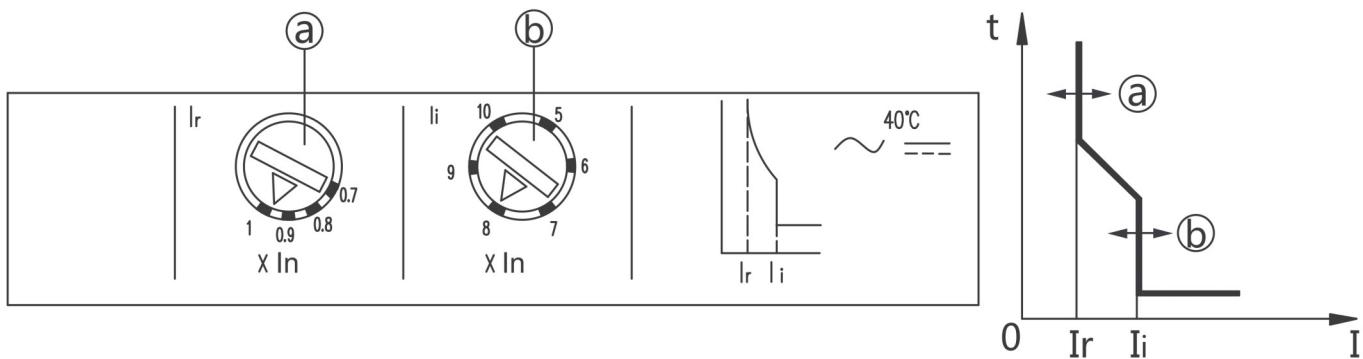
Thermo-magnetic type release

■ User Instruction



Danger, installation and use by electricians only



Adjustment buttons

- ① Overload protection setting adjustable
- ② Short circuit protection setting adjustable

Example: MX225431—

- ① Long-time delay current setting knob

$$\begin{array}{c}
 I_n \quad \quad \quad 250A \\
 \downarrow \\
 I_r \quad \boxed{0.7 \quad 0.8 \quad 0.9 \quad 1.0} \\
 \downarrow \\
 I_r = 1.0 \times 250A (I_n) = 250A
 \end{array}$$

- ② Instantaneous current setting knob

$$\begin{array}{c}
 I_i \quad \boxed{5 \quad 6 \quad 7 \quad 8 \quad 9 \quad 10} \\
 \downarrow \\
 I_i = 8 \times 250A (I_n) = 2000A
 \end{array}$$

Table 1.: Thermal magnetic setting

Size	Pole	Overload protection (thermal)	Short circuit protection (magnetic)
MX1			10In (Power distribution) 12In (Motor distribution)
MX2			7~12In (Power distribution 125~160A) 5~10In (Power distribution 180~250A) 9~14In (Motor protection)
MX3	3P, 4P	0.7 ~ 1.0In	5~10In (Power distribution) 9~14In (Motor protection)
MX4			5~10In (Power distribution) 9~14In (Motor protection)

Table 2.: Protection for power distribution

Thermo-Magnetic release type A	125	250	630	1600		
Pole	3P/4P					
Rated current	16/20/25/32/40/50/ 63/80/100/125	125	160/180/200/ 225/250	400/ 500	800/1000/ 1250/1600	
Over-load protection						
Setting current (A) $I_r=I_n \times$	0.7-0.8-0.9-1.0			0.8-0.9-1.0		
Short-circuit instantaneous protection						
Setting current (A) $I_f=I_n \times$	10	7-8-9-10- 11-12	5-6-7-8-9-10			
Accuracy	$\pm 20\%$					
N-pole protection						
Setting current (A) $I_{Nf}=I_n \times$	10	The same with the other three-phase poles				
Accuracy	$\pm 20\%$					