

### A100 Mini circuit breaker 2- 63A

10000A

### FDM7-63H

Breaking Capacity: H: 10000A; N: 6000A; L: 4500A

Curve	Rated Current	Order Code					
		1P	1P+N	2P	3P	3P+N	4P
B	1	FDM7-1B-01H	FDM7-1NB-01H	FDM7-2B-01H	FDM7-3B-01H	FDM7-3NB-01H	FDM7-4B-01H
	2	FDM7-1B-02H	FDM7-1NB-02H	FDM7-2B-02H	FDM7-3B-02H	FDM7-3NB-02H	FDM7-4B-02H
	3	FDM7-1B-03H	FDM7-1NB-03H	FDM7-2B-03H	FDM7-3B-03H	FDM7-3NB-03H	FDM7-4B-03H
	4	FDM7-1B-04H	FDM7-1NB-04H	FDM7-2B-04H	FDM7-3B-04H	FDM7-3NB-04H	FDM7-4B-04H
	5	FDM7-1B-05H	FDM7-1NB-05H	FDM7-2B-05H	FDM7-3B-05H	FDM7-3NB-05H	FDM7-4B-05H
	6	FDM7-1B-06H	FDM7-1NB-06H	FDM7-2B-06H	FDM7-3B-06H	FDM7-3NB-06H	FDM7-4B-06H
	10	FDM7-1B-10H	FDM7-1NB-10H	FDM7-2B-10H	FDM7-3B-10H	FDM7-3NB-10H	FDM7-4B-10H
	16	FDM7-1B-16H	FDM7-1NB-16H	FDM7-2B-16H	FDM7-3B-16H	FDM7-3NB-16H	FDM7-4B-16H
	20	FDM7-1B-20H	FDM7-1NB-20H	FDM7-2B-20H	FDM7-3B-20H	FDM7-3NB-20H	FDM7-4B-20H
	25	FDM7-1B-25H	FDM7-1NB-25H	FDM7-2B-25H	FDM7-3B-25H	FDM7-3NB-25H	FDM7-4B-25H
	32	FDM7-1B-32H	FDM7-1NB-32H	FDM7-2B-32H	FDM7-3B-32H	FDM7-3NB-32H	FDM7-4B-32H
	40	FDM7-1B-40H	FDM7-1NB-40H	FDM7-2B-40H	FDM7-3B-40H	FDM7-3NB-40H	FDM7-4B-40H
	50	FDM7-1B-50H	FDM7-1NB-50H	FDM7-2B-50H	FDM7-3B-50H	FDM7-3NB-50H	FDM7-4B-50H
	63	FDM7-1B-63H	FDM7-1NB-63H	FDM7-2B-63H	FDM7-3B-63H	FDM7-3NB-63H	FDM7-4B-63H
C	1	FDM7-1C-01H	FDM7-1NC-01H	FDM7-2C-01H	FDM7-3C-01H	FDM7-3NC-01H	FDM7-4C-01H
	2	FDM7-1C-02H	FDM7-1NC-02H	FDM7-2C-02H	FDM7-3C-02H	FDM7-3NC-02H	FDM7-4C-02H
	3	FDM7-1C-03H	FDM7-1NC-03H	FDM7-2C-03H	FDM7-3C-03H	FDM7-3NC-03H	FDM7-4C-03H
	4	FDM7-1C-04H	FDM7-1NC-04H	FDM7-2C-04H	FDM7-3C-04H	FDM7-3NC-04H	FDM7-4C-04H
	5	FDM7-1C-05H	FDM7-1NC-05H	FDM7-2C-05H	FDM7-3C-05H	FDM7-3NC-05H	FDM7-4C-05H
	6	FDM7-1C-06H	FDM7-1NC-06H	FDM7-2C-06H	FDM7-3C-06H	FDM7-3NC-06H	FDM7-4C-06H
	10	FDM7-1C-10H	FDM7-1NC-10H	FDM7-2C-10H	FDM7-3C-10H	FDM7-3NC-10H	FDM7-4C-10H
	16	FDM7-1C-16H	FDM7-1NC-16H	FDM7-2C-16H	FDM7-3C-16H	FDM7-3NC-16H	FDM7-4C-16H
	20	FDM7-1C-20H	FDM7-1NC-20H	FDM7-2C-20H	FDM7-3C-20H	FDM7-3NC-20H	FDM7-4C-20H
	25	FDM7-1C-25H	FDM7-1NC-25H	FDM7-2C-25H	FDM7-3C-25H	FDM7-3NC-25H	FDM7-4C-25H
	32	FDM7-1C-32H	FDM7-1NC-32H	FDM7-2C-32H	FDM7-3C-32H	FDM7-3NC-32H	FDM7-4C-32H
	40	FDM7-1C-40H	FDM7-1NC-40H	FDM7-2C-40H	FDM7-3C-40H	FDM7-3NC-40H	FDM7-4C-40H
	50	FDM7-1C-50H	FDM7-1NC-50H	FDM7-2C-50H	FDM7-3C-50H	FDM7-3NC-50H	FDM7-4C-50H
	63	FDM7-1C-63H	FDM7-1NC-63H	FDM7-2C-63H	FDM7-3C-63H	FDM7-3NC-63H	FDM7-4C-63H
D	1	FDM7-1D-01H	FDM7-1ND-01H	FDM7-2D-01H	FDM7-3D-01H	FDM7-3ND-01H	FDM7-4D-01H
	2	FDM7-1D-02H	FDM7-1ND-02H	FDM7-2D-02H	FDM7-3D-02H	FDM7-3ND-02H	FDM7-4D-02H
	3	FDM7-1D-03H	FDM7-1ND-03H	FDM7-2D-03H	FDM7-3D-03H	FDM7-3ND-03H	FDM7-4D-03H
	4	FDM7-1D-04H	FDM7-1ND-04H	FDM7-2D-04H	FDM7-3D-04H	FDM7-3ND-04H	FDM7-4D-04H
	5	FDM7-1D-05H	FDM7-1ND-05H	FDM7-2D-05H	FDM7-3D-05H	FDM7-3ND-05H	FDM7-4D-05H
	6	FDM7-1D-06H	FDM7-1ND-06H	FDM7-2D-06H	FDM7-3D-06H	FDM7-3ND-06H	FDM7-4D-06H
	10	FDM7-1D-10H	FDM7-1ND-10H	FDM7-2D-10H	FDM7-3D-10H	FDM7-3ND-10H	FDM7-4D-10H
	16	FDM7-1D-16H	FDM7-1ND-16H	FDM7-2D-16H	FDM7-3D-16H	FDM7-3ND-16H	FDM7-4D-16H
	20	FDM7-1D-20H	FDM7-1ND-20H	FDM7-2D-20H	FDM7-3D-20H	FDM7-3ND-20H	FDM7-4D-20H
	25	FDM7-1D-25H	FDM7-1ND-25H	FDM7-2D-25H	FDM7-3D-25H	FDM7-3ND-25H	FDM7-4D-25H
	32	FDM7-1D-32H	FDM7-1ND-32H	FDM7-2D-32H	FDM7-3D-32H	FDM7-3ND-32H	FDM7-4D-32H
	40	FDM7-1D-40H	FDM7-1ND-40H	FDM7-2D-40H	FDM7-3D-40H	FDM7-3ND-40H	FDM7-4D-40H
	50	FDM7-1D-50H	FDM7-1ND-50H	FDM7-2D-50H	FDM7-3D-50H	FDM7-3ND-50H	FDM7-4D-50H
	63	FDM7-1D-63H	FDM7-1ND-63H	FDM7-2D-63H	FDM7-3D-63H	FDM7-3ND-63H	FDM7-4D-63H

#### Application

It can protect the electric line equipment from overload and short circuit.

#### Technical parameter

IEC60898-1

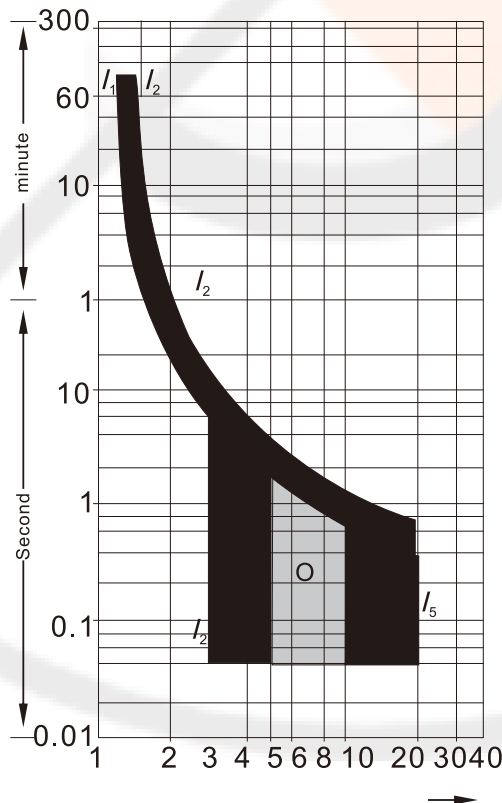
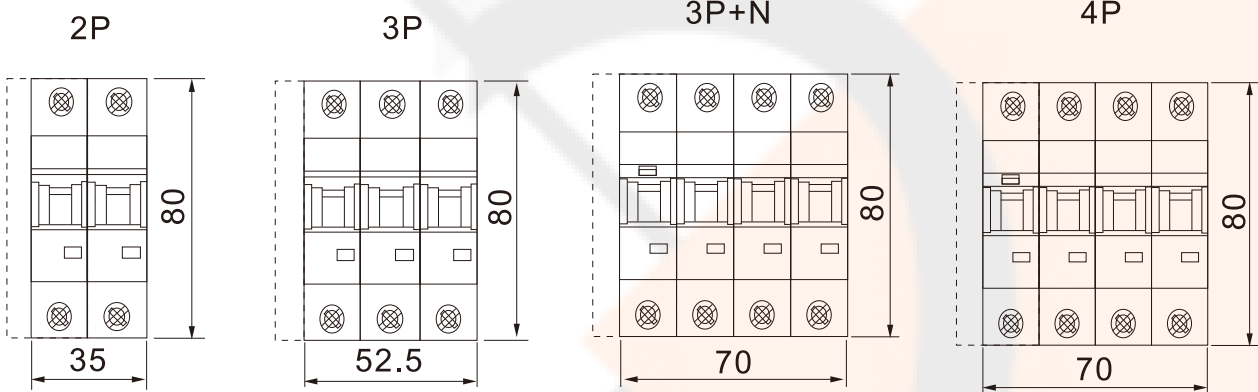
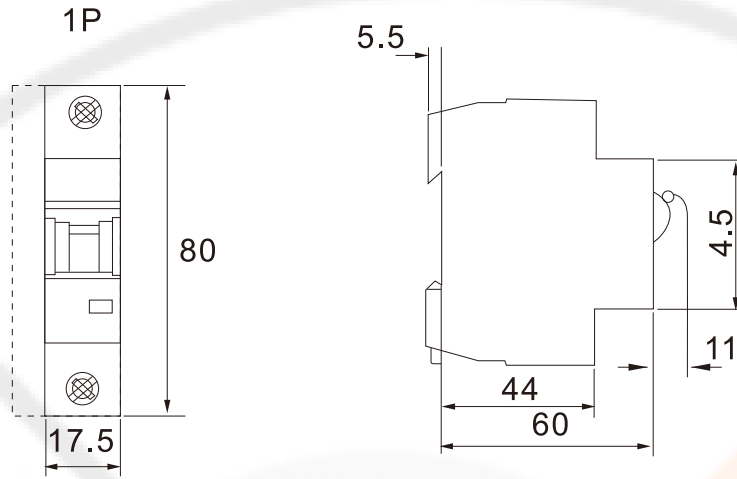
- ◆ Standard: IEC60898-1
- ◆ Rated voltage(Ue): 230/400V;50/60HZ
- ◆ Rated breaking capacity:
  - ◇ 10000A IEC898(0.5-63A)
  - ◇ 15000A IEC947-2(0.5-63A)
- ◆ DC short circuit breaking capacity:
  - ◇ Max 48V(FDM7-10000A)single-pole
  - ◇ Max 250V(FDM7-DC,6000A)single-pole
- ◆ Characteristic curve: B, C, D
- ◆ Max connectable fuse: 100AgL(>10000A)
- ◆ Selectivity class: ClassIII
- ◆ Working ambient temperature: -5~+40OC

- ◆ Enclosed protective class: IP40 (under mounting)
- ◆ Electrical Life:  $\geq$  8000 times make-break operation
- ◆ Mechanical Life:  $\geq$  20,000 times make-break operation
- ◆ Exposed face length: 45mm
- ◆ Casing height: 80mm
- ◆ Installation mode: DIN rail 35mm
- ◆ Terminal form: The double function terminal can connect with busbar and conductor.
- ◆ Connecting capacity of terminal:
  - ◇ conductor 1-25mm<sup>2</sup>(excepted 1P+N)
  - ◇ 1-25mm<sup>2</sup>/1-2 10mm<sup>2</sup>(N)(1P+N)
- ◆ Busbar thickness:0.8-2mm

# MIN CIRCUIT BREAKER 2 - 63 A



## A103 Mini circuit breaker 63-125A



T=Thermal Trip  
M=Magnetic Trip

	B	C	D
$I_1(t \geq 1h)$	$1.13 \times I_n$	$1.13 \times I_n$	$1.13 \times I_n$
$I_1(t < 1h)$	$1.45 \times I_n$	$1.45 \times I_n$	$1.45 \times I_n$
$I_2(t \geq 0.1s)$	$3 \times I_n$	$5 \times I_n$	$10 \times I_n$
$I_5(t < 0.1s)$	$5 \times I_n$	$10 \times I_n$	$20 \times I_n$

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