

**Modular DIN Rail**  
**YCB7-63N MCB**



**General**

The YCB7-63N series miniature circuit breaker are suitable for overcurrent protection building line facilities and similar purposes in AC 50/60Hz, rated voltage 230V/400V, rated current up to 63A circuits. They have isolation, overload, and short circuit protection functions, and can also be used for infrequent operation and switching of lines under normal circumstances. Circuit breakers are suitable for various places such as industry, commerce, high-rise buildings, and residential buildings.  
Standard: IEC/EN 60898-1.

**Selection**

YCB7	63	N	1P	C	16
Model	Shell grade current	Breaking capacity	Number of poles	Tripping characteristics	Rated current
Miniature circuit breaker	63	N:6kA	1P	B	1
					2
					4
					6
					10
					16
			2P	C	20
					25
					32
					40
					50
					63
3P	D	80			
4P					

Note: This product can be assembled with accessories (YCB7-63N OF/SD/OF+SD/MX/MVMN/MX+OF, etc)

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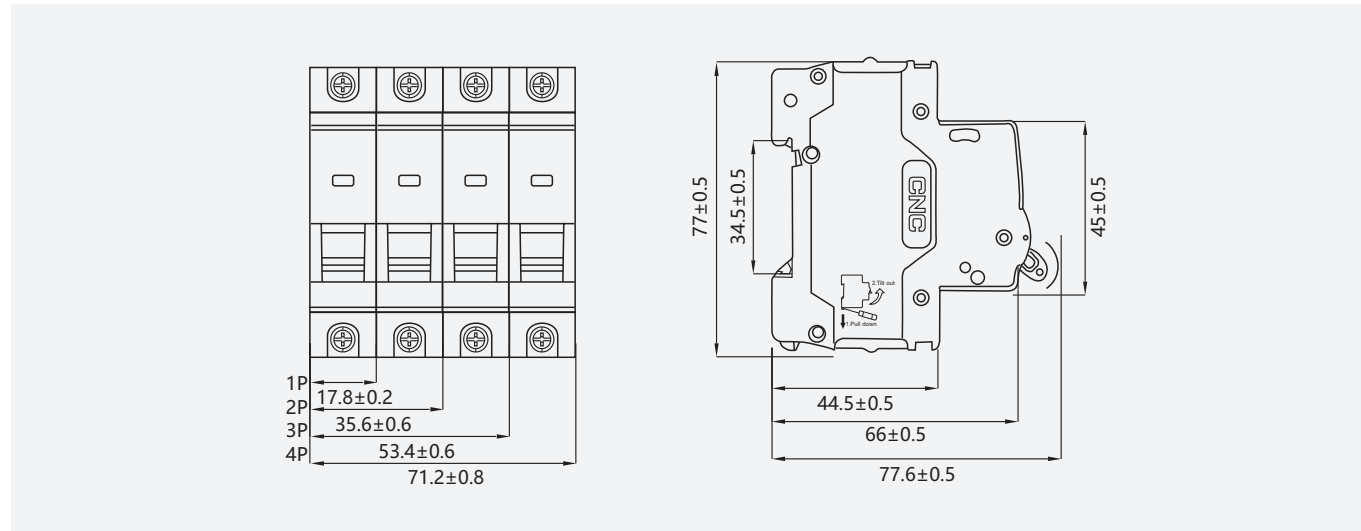
**Technical data**

Type	Standard	IEC/EN 60898-1	
Comprehensive data	Function	Overload, Short circuit, Isolation	
	Number of poles	1P,2P,3P,4P	
	Rated current I <sub>n</sub>	1-63A	
	Rated frequency	50/60Hz	
Electrical features	Rated voltage U <sub>e</sub>	230/400	
	Rated insulation voltage U <sub>i</sub>	500	
	Rated breaking capacity I <sub>cn</sub>	6000	
	Rated impulse withstand voltage U <sub>imp</sub> (1.2/50)	4	
	Pollution degree	2	
	Use category	II, III	
	Trip type	Thermal magnetic release	
	Thermal magnetic tripping characteristics	B,C,D	
	Electrical and mechanical accessories	□	
	Mechanical features	Mechanical life	Times 20000
Electrical life		Times 10000	
Protection degree		IP20	
Antihumidity and heat resistance		The relative humidity of the air is not more than 50% when the ambient air temperature is +40°C, and it can have a higher relative humidity at a lower temperature	
Reference ambient temperature		°C 30	
Ambient temperature		°C -5°C-+40°C, the average value of 24h does not exceed +35°C	
Height		m Not exceeding 2000	
Terminal connection type		Cable/Pin-type busbar	
Installation	Maximum wire capacity	Terminal size top/bottom for cable	mm <sup>2</sup> 25
		AWG 18-3	
	Terminal size top/bottom for busbar	mm <sup>2</sup> 25	
		AWG 18-3	
	Torque	N*m 2	
		l <sub>n</sub> -lbs 18	
Tool	18 Phillips screwdriver or flat-blade screwdriver		
Installation	On DIN rail EN 60715 (35mm) by means of fast clip device		
Wiring method	From top or bottom		

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**A**

Overall and mounting dimensions(mm)



Selection

Type	Test current	Tripping time	Expected result	Type	Test current	Tripping time	Expected result
B,C,D	1.13I <sub>n</sub>	t ≤ 1h (I <sub>n</sub> ≤ 63A)	Not tripping	B	3I <sub>n</sub>	t ≤ 0.1s	Not tripping
	1.13I <sub>n</sub>	t ≤ 2h (I <sub>n</sub> > 63A)		C	5I <sub>n</sub>	t ≤ 0.1s	
B,C,D	1.45I <sub>n</sub>	t < 1h (I <sub>n</sub> ≤ 63A)	Tripping	D	10I <sub>n</sub>	t ≤ 0.1s	
	1.45I <sub>n</sub>	t < 2h (I <sub>n</sub> > 63A)		B	5I <sub>n</sub>	t < 0.1s	Tripping
B,C,D	2.55I <sub>n</sub>	1s < t < 60s (I <sub>n</sub> ≤ 32A)	Tripping	C	10I <sub>n</sub>	t < 0.1s	
	2.55I <sub>n</sub>	1s < t < 120s (I <sub>n</sub> > 32A)		D	20I <sub>n</sub>	t < 0.1s	

Curve

