ELECO Just What I Needed

CB RoHS CE ISO9001

EP–DPN Series

"Phase+Neutral" Circuit Breaker

Application

Standard	Confirming to EN / IEC60898
Breaking capacity	4.5kA
Protection	Overload and short circuit
Rated insulation voltage Ui	250 V
Rated impulse withstand voltage Uimp	4000V
Rated current In	6,10,16,20,25,32A
Rated voltage	230VAC
Characteristic	B,C, curve
Number of poles	1P+N
Type of trip	Thermal / magnetic release
Type of terminal	Pin type
Terminal capacity	16mm²flexible / 25mm² rigid
Protection degree	IP20
Installation	Mounting on 35mm DIN rail
Width	17.5mm per pole
Electrical endurance	4000
Mechanical endurance	10000

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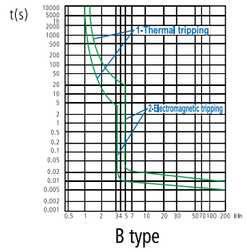
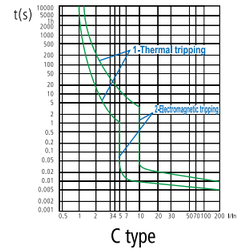
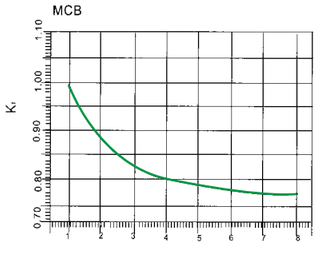
1. Curves







2. Please refer to table below for temperature compensation correction

Rated current	Temperature compensation coefficient under various operational temperature							
(A)	-10ºC	0ºC	10ºC	20ºC	30ºC	40ºC	50ºC	60ºC
6	1.17	1.13	1.09	1.04	6	1.96	0.91	0.84
10	1.21	1.16	1.09	1.04	10	0.94	0.88	0.82
16	1.18	1.13	1.09	1.04	16	0.94	0.91	0.84
20	1.17	1.13	1.09	1.04	20	0.96	0.91	0.84
25	1.18	1.13	1.09	1.04	25	0.96	0.91	0.84
32	1.17	1.13	1.09	1.04	32	0.96	0.91	0.84

3. Wiring

The suitable conductors should be used for connection, see table below for relative parameters.

Rated current In (A)	Nominal cross section area S (mm²)	Tightening torque (N.m)
≤ 6	1	1.2
10	1.5	1.2
16, 20	2.5	1.2
25	4	1.2
32	6	1.2

4. Features

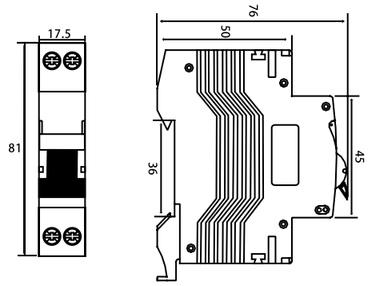
Compact design and cost-effective;

Enclosure and functional parts made from imported plastics with flame-retardant, heat-resistant, and impulse-proof properties;

Potential electric shock is avoided thanks to neutral-line being directly connected to the product;

Convenient and time-saving mounting.

5. Overall and mounting dimensions



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