

**ELMARK**  
The Brand of Electricity

**TECHNICAL SPECIFICATION**  
**ELECTRONIC TYPE DPN RESIDUAL CURRENT OPERATED**  
**CIRCUIT BREAKER**  
**(RCBO), JEL9A**



## DESCRIPTION OF THE OPERATING SYSTEM:

RCBO JEL9A provide protection against earth faults, overloads, short circuits and over-voltage in commercial and domestic installation. The RCBO with both disconnected neutral and phase guarantees its proper actuation against earth leakage faults even when the neutral and phase are wrongly connected the electronic RCBO incorporate a filtering device preventing the risks of unwanted due to transient voltages and transient currents.

## TECHNICAL DATA:

- Mode: Electronic
- Type: A for AC/DC current
- Rated operating voltage  $U_e$ : 240V 50/60 Hz
- Insulation voltage  $U_i$ : 500V
- Circuit breaker rated current: according to the table
- Residual current responsiveness: 30mA
- Break time under  $I_{\Delta n}$ :  $\leq 0.1s$
- Circuit breaker tripping curve: C
- Energy limiting class: 3
- Breaking capacity: 6 000A
- Rated impulse withstand voltage (1.5/50)
- $U_{imp} \geq 4000V$
- Dielectric test voltage at ind.Freq. for 1min: 2kV
- Pollution deg: 2
- Electrical life: 4 000 cycles
- Mechanical life: 10 000 cycles
- IP code: IP>20
- Indication for operating (switched on) position
- Terminal connection type: Cable
- Pin-type busbar
- Terminal size top/bottom for cable: 16 mm<sup>2</sup>
- Terminal size top/bottom for busbar: 16 mm<sup>2</sup>
- Tightening torque: 2.5Nm
- Reference temperature for setting of thermal elements: 30°C
- Ambient temperature: -10°C + 65°C
- Installation altitude: up to 2000 m

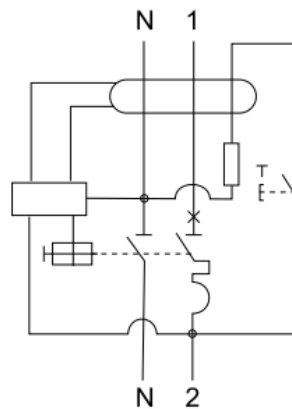
## FUNCTIONS

- Overload Protection.
- Short-Circuit Protection.
- Earth-Leakage Protection.

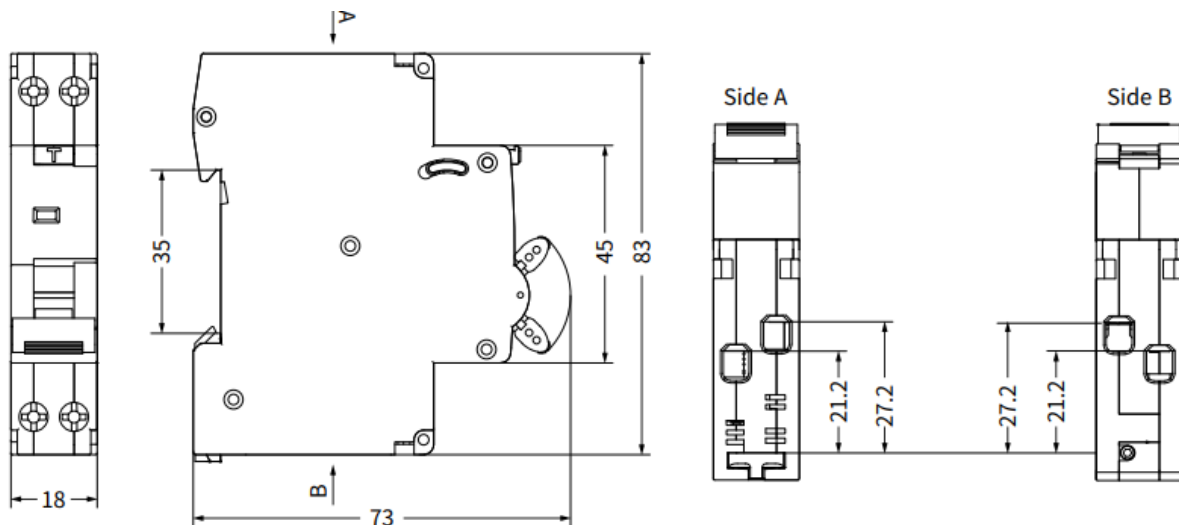
**RCD type B for AC/DC current:**

Type	Number of poles	Breaking capacity (kA)	Rated current In(A)	Catalogue number
				Leakage current I Δ (mA)
JEL9A	DPN (1P+N)	6	6	40500A
JEL9A	DPN (1P+N)	6	10	40501A
JEL9A	DPN (1P+N)	6	16	40502A
JEL9A	DPN (1P+N)	6	20	40503A
JEL9A	DPN (1P+N)	6	25	40504A
JEL9A	DPN (1P+N)	6	32	40505A
JEL9A	DPN (1P+N)	6	40	40506A

**CIRCUIT DIAGRAM:**



**DIMENSION:**



**ADDITIONAL INFORMATION:**

<b>Catalog number</b>	<b>Barcode</b>	<b>Packing/ Box (pcs)</b>
40500A	3800131256683	1/90
40501A	3800131256690	1/90
40502A	3800131256706	1/90
40503A	3800131256713	1/90
40504A	3800131256720	1/90
40505A	3800131256737	1/90
40506A	3800131256744	1/90

