

Residual current circuit breaker with overcurrent
protection(RCBO)

RKP



General

Product Code	06220163R0
Product Description	RKP 1P+N C20 30mA AC-TYPE NEW ROGY
[In] Rated current	20A at 30°C conforming to EN/IEC 61009-1
[Ue] rated operational voltage	230V
Poles description	1P+N
Number of protected poles	1
Network type	AC (50/60 Hz)
Type of trip	Thermal-magnetic Electronic
Neutral position	Left
Earth-leakage sensitivity	30mA
Residual current off-time	≤0.1sec.
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	AC-TYPE

Characteristics

Max. operating voltage Ub max.	253 V AC
Min. operating voltage Ub min.	195 V AC

[Uimp] rated impulse withstand voltage	4 kV
[Ui] rated insulation voltage	500 V
Residual current tripping technology	Voltage dependent
Rated breaking and making capacity	-
Rated residual breaking and making capacity	2000A
[Inc] rated conditional short-circuit current	-
Contact position indicator	Yes
Mechanical durability	10000 cycles
Electrical durability (AC)	4000 cycles
Electrical durability (DC)	-
Utilisation category	-
Suitability for isolation	Yes
Reference standard	IEC 61009-1
[Icu] rated Ultimate short-circuit breaking capacity	-
[Icn] rated short-circuit breaking capacity(IEC/EN 60898)	4.5 kA at 230 V AC 50/60 Hz, IEC 61009-1
[Ics] rated service breaking capacity	4.5 kA at 230 V AC 50/60 Hz, IEC 61009-1
[Icw] rated short-time withstand current	-
Thermomagnetic release characteristic(IEC/EN 60898)	C Curve
[Ii] Instantaneous pick-up adjustment range	-

Environment

Pollution degree	3
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Degree of protection	IP20, IEC 60529
Ambient air temperature for operation	-5...40 °C
Ambient air temperature for storage	-40...70 °C
Relative humidity	95% at 55°C
Mounting	on DIN rail EN 60715(35mm) by means of fast clip device
Mounting mode	Fixed
Terminal type	Lug type
Terminal size top/bottom for cable	10mm ² /10mm ²
Terminal size top/bottom for busbar	
Tightening torque	1.2 N
Approvals ¹⁾ (General)	CE (Europe)
	-
	CCC (China)
	EAC (Russia)
	-
	-
	-
	RCM(Australia)
Approvals (Marine)	-
	-
	-
	-
	-
	-
	-
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1) LS ELECTRIC's standard products are designed for CE.

To check the product with regional certificates, please contact LSE sales representatives.

Dimensions

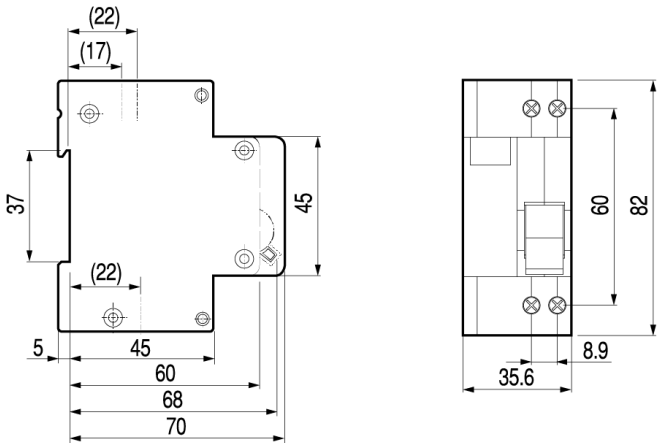
Product	Width	35.7 mm
	Depth	69 mm
	Height	81 mm
	Weight	0.17 kg
Inner Packing	Width	225 mm
	Depth	80 mm
	Height	88 mm
	Weight	1.1 kg
	Quantity (in a box)	6 pcs.
Outer Packing	Width	470 mm
	Depth	195 mm
	Height	230 mm
	Weight	12 kg
	Quantity (in a box)	60 pcs.

Combination with auxiliary elements

Combination with	Auxiliary elements	No
Combination with	Signal contact/auxiliary switch contact	No
Combination with	Shunt trip	No
Combination with	UVT/OVT release	No

Overall dimensions²⁾

RKP



2) Please multiple the number of poles when calculating the product width(W).

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