Product Data Sheet Characteristics



Molded case circuit breaker

BKH

General

Product Code	06110347R0
Product Description	BKH 3P C100A NEW ROGY
[In] Rated current	100A at 30°C conforming to EN/IEC 60947-2
[Ue] rated operational voltage	400V
Poles description	3P
Number of protected poles	3
Network type	AC (50/60 Hz)
Type of trip	Thermal-magnetic
Neutral position	-
Earth-leakage sensitivity	-
Residual current off-time	-
Earth-leakage protection time delay	-
Earth-leakage protection class	-

Characteristics

Max. operating voltage Ub max.	440 V AC
Min. operating voltage Ub min.	24 V AC - 24 V DC

[Uimp] rated impulse withstand voltage	4 kV
[Ui] rated insulation voltage	400 V
Residual current tripping technology	-
Rated breaking and making capacity	-
Rated residual breaking and making capacity	-
[Inc] rated conditional short-circuit current	-
Contact position indicator	-
Mechanical durability	10000 cycles
Electrical durability (AC)	4000 cycles(1500 for 125A)
Electrical durability (DC)	-
Utilisation category	Category A
Suitability for isolation	Yes
Reference standard	IEC 60947-2
[Icu] rated Ultimate short-circuit breaking capacity	10 kA at 400 V AC 50/60 Hz, IEC 60947-2
[Icn] rated short-circuit breaking capacity(IEC/EN 60898)	-
[Ics] rated service breaking capacity	7.5 kA at 400 V AC 50/60 Hz, IEC 60947-2
[Icw] rated short-time withstand current	-
Thermomagnetic release characteristic(IEC/EN 60898)	C Curve
[Ii] Instantaneous pick-up adjustment range	8 x In, tolerance ±20%

Environment

Pollution degree	3

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	50mm2/50mm2
Terminal size top/bottom for busbar	
Tightening torque	3.5 N
Approvals[1)] (General)	CE (Europe)
	-
	CCC (China)
	EAC (Russia)
	-
	-
	-
	-
Approvals (Marine)	-
	-
	-
	-
	-
	-
	-

1) LS ELECTRIC's standard products are designed for CE.
To check the product with regional certificates, please contact LSE sales representatives.

Dimensions

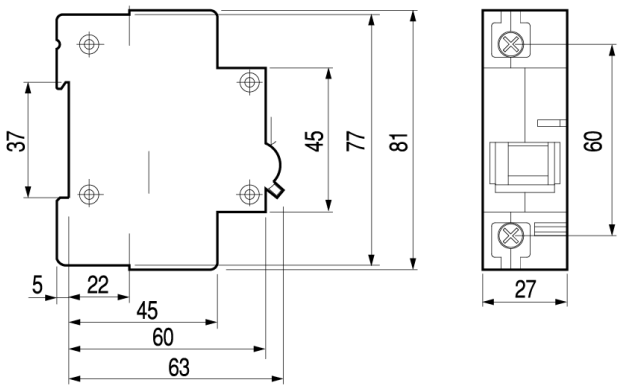
Product	Width	80.4 mm
	Depth	72 mm
	Height	81 mm
	Weight	0.46 kg
Inner Packing	Width	336 mm
	Depth	80 mm
	Height	85 mm
	Weight	2.0 kg
	Quantity (in a box)	4 pcs.
Outter Packing	Width	350 mm
	Depth	190 mm
	Height	275 mm
	Weight	13 kg
	Quantity (in a box)	24 pcs.

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 dimensions[2)]

BKH



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