ABILITY
Technical Datasheet

BKH 3P 100A

LS ELECTRIC — Miniature Circuit Breaker (MCB)



GENERAL	
Product Code	**06110347R0**
Product Description	**BKH 3P C100A NEW ROGY**
Product type	**Molded case circuit breaker**
Product name	**BKH**
[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**
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**
Mechanical durability	**10000 cycles**
Electrical durability (AC)	**4000 cycles(1500 for 125A)**
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**
[Ics] rated service breaking capacity	**7.5 kA at 400 V AC 50/60 Hz, IEC 60947-2**
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**
Tightening torque	**3.5 N**
Approvals¹⁾ (General)	**CE (Europe)**
Approvals¹⁾ (General)	**CCC (China)**

Approvals¹⁾ (General)	**EAC (Russia)**
DIMENSIONS	
Product	**80.4 mm**
Product	**72 mm**
Product	**81 mm**
Product	**0.46 kg**
Inner Packing	**336 mm**
Inner Packing	**80 mm**
Inner Packing	**85 mm**
Inner Packing	**2.0 kg**
Inner Packing	**4 pcs.**
Outter Packing	**350 mm**
Outter Packing	**190 mm**
Outter Packing	**275 mm**
Outter Packing	**13 kg**
Outter Packing	**24 pcs.**
COMBINATION WITH AUXILIARY ELEMENTS	
Combination with	**No**
Combination with	**No**
Combination with	**No**
Combination with	**No**
OVERALL DIMENSIONS²⁾	
Drawing	**BKH.png**