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## circuit breaker LV429630

URL:<https://www.sxplc.com/circuit-breaker-lv429630>

### Product data sheet

Number of poles 3P

Protected poles description 3t

[In] rated current 100 A at 40 °C

[Ue] rated operational voltage 690 V AC 50/60 Hz

network type AC

network frequency 50/60 Hz

Suitability for isolation Yes conforming to EN/IEC 60947-2

Utilisation category Category A

[Icu] rated ultimate short-circuit

breaking capacity

10 kA at 600 V AC 50/60 Hz conforming to UL 508

25 kA at 480 V AC 50/60 Hz conforming to UL 508

85 kA at 240 V AC 50/60 Hz conforming to UL 508

22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2

25 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2

35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2

36 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2

8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2

85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2

Performance level F 36 kA 415 V AC

Trip unit name TM-D

Trip unit technology Thermal-magnetic

Trip unit protection functions LI

Control type Toggle

Circuit breaker mounting mode Fixed

Complementary

[Ui] rated insulation voltage 800 V AC 50/60 Hz

[Uimp] rated impulse withstand

voltage

8 kV

[Ics] rated service short-circuit

breaking capacity

11 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2

35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2

36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2

4 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2

85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2

12.5 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2

Mechanical durability 50000 cycles

Electrical durability 10000 cycles at 690 V In

20000 cycles at 690 V In/2

30000 cycles at 440 V In

50000 cycles at 440 V In/2

mounting support Backplate

Upside connection Front

downside connection Front

Connection pitch 35 mm

Protection type L : for overload protection (thermal)

I : for short-circuit protection (magnetic)

Trip unit rating 100 A at 40 °C

Long-time pick-up adjustment

type Ir (thermal protection)

Adjustable

[Ir] long-time protection pick-up

adjustment range

0.7...1 x I<sub>n</sub>

Long-time protection delay

adjustment type tr

Fixed

[tr] long-time protection delay

adjustment range

120...400 s at 1.5 x I<sub>n</sub>

15 s at 6 x I<sub>r</sub>

Short-time protection pick-up

adjustment type Isd

Fixed

[Isd] Short-time protection pickup adjustment range

800 A

Short-time protection delay

adjustment type tsd

Fixed

Earth-leakage protection Without

Number of slots for electrical

auxiliaries

5 slot(s)

Width (W) 105 mm

Height (H) 161 mm

Depth (D) 86 mm

Net weight 2.05 kg

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