

Data Sheet

 English (EN)

Product: Schneider LV429630 MCB 100 Amp 3 Pole

Product Code: GHT 9156

MAIN

Weight: 1.9kg
Unit of Sale: Each
Device short name: Compact NSX100F
Circuit breaker application: Distribution
Poles description: 3P
Protected poles description: 3t
Network type: AC
Network frequency: 50/60 Hz
[In] rated current: 100 A (40 °C)
[Ui] rated insulation voltage: 800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage: 8 kV
[Ue] rated operational voltage: 690 V AC 50/60 Hz
Circuit breaker rating code: F

Breaking capacity:

- Icu 22 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2
- Icu 8 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
- Icu 85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
- Icu 36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2
- Icu 35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
- Icu 25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2
- 85 kA at 240 V AC 50/60 Hz conforming to NEMA AB1
- 35 kA at 480 V AC 50/60 Hz conforming to NEMA AB1
- 8 kA at 600 V AC 50/60 Hz conforming to NEMA AB1
- 85 kA at 240 V AC 50/60 Hz conforming to UL 508
- 25 kA at 480 V AC 50/60 Hz conforming to UL 508
- 10 kA at 600 V AC 50/60 Hz conforming to UL 508

[Ics] rated service breaking capacity

- Ics 4 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2
- Ics 11 kA 525 V AC 50/60 Hz conforming to IEC 60947-2
- Ics 12.5 kA 500 V AC 50/60 Hz conforming to IEC 60947-2
- Ics 35 kA 440 V AC 50/60 Hz conforming to IEC 60947-2
- Ics 36 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2





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|---|--|
| Suitability for isolation | Yes conforming to IEC 60947-2 Yes conforming to EN 60947-2 |
| Utilisation category | Category A |
| Trip unit name | TM-D |
| Trip unit technology | Thermal-magnetic |
| Trip unit rating | 100 A (40 °C) |
| Protection type | Overload protection (thermal) Short-circuit protection (magnetic) |
| Pollution degree | 3 conforming to IEC 60664-1 |
| <u>COMPLEMENTARY</u> | |
| Control type | Toggle |
| Mounting mode | Fixed |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| Mechanical durability | 50000 cycles |
| Electrical durability | 50000 cycles 440 V In/2 conforming to IEC 60947-2 30000 cycles 440 V In conforming to IEC 60947-2 20000 cycles 690 V In/2 conforming to IEC 60947-2 10000 cycles 440 V In conforming to IEC 60947-2 |
| Connection pitch | 35 mm |
| Local signalling | Positive contact indication |
| Long time pick-up adjustment type Ir | Adjustable |
| Long time pick-up adjustment range | 0.7...1 x In |
| Long time delay adjustment type | Fixed |
| [Tr] long-time delay adjustment | 15 s 6 x Ir 120...400 s 1.5 x In |
| Short-time pick-up adjustment type Isd | Fixed |
| [Isd] short-time pick-up adjustment range | 800 A |
| Short-time delay adjustment type | Fixed |
| Height | 161 mm |
| Width | 105 mm |
| Depth | 86 mm |
| <u>ENVIRONMENT</u> | |
| Electrical shock protection class | Class II |
| Standards | EN 60947-2 IEC 60947-2 NEMA AB1 UL 508 |
| Product certifications | CSA UL |
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to IEC 62262 |
| Ambient air temperature for operation | -35...70 °C |
| Ambient air temperature for storage | -55...85 °C |
| RoHS EUR conformity date | 0819 |
| RoHS EUR status | Compliant |