Product datasheet

Specifications



circuit breaker Masterpact NW08N1 800 A - 3 poles - drawout - w/o trip unit

48230

Main

| Range | MasterPacT |
|--------------------------------|----------------------------------|
| product name | MasterPact NW |
| Circuit breaker name | MasterPact NW08N1 |
| Product or component type | Circuit breaker |
| Device application | Power distribution protection |
| Poles description | 3P |
| Control unit | Without control unit |
| [In] rated current | 800 A at 40 °C |
| Performance type | N1 42 kA 440 V AC |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2 |
| Selectivity category | Category B |
| control type | Push-button |
| Mounting mode | Drawout |

Complementary

| · · · · · · · · · · · · · · · · · · · | | |
|--|--|--|
| [Icu] rated ultimate short-circuit breaking capacity | 42 kA at 220/415 V AC 50/60 Hz 42 kA at 440 V AC 50/60 Hz 42 kA at 525 V AC 50/60 Hz 42 kA at 690 V AC 50/60 Hz | |
| [Ics] rated service breaking capacity | 42 kA at 220/415 V AC 50/60 Hz 42 kA at 440 V AC 50/60 Hz 42 kA at 525 V AC 50/60 Hz 42 kA at 690 V AC 50/60 Hz | |
| [Icw] rated short-time withstand current | 42 kA 1 s 22 kA 3 s | |
| [Icm] rated short-circuit making capacity | 88 kA 220/415 V AC at 50/60 Hz 88 kA 440 V AC at 50/60 Hz 88 kA 525 V AC at 50/60 Hz 88 kA 690 V AC at 50/60 Hz | |
| Sensor rating | 400 A 800 A | |
| [Ui] rated insulation voltage | 1000 V AC 50/60 Hz | |
| [Uimp] rated impulse withstand voltage | 12 kV | |
| Power dissipation in W | 137 W | |
| Maximum breaking time | 25 ms | |

| 70 ms | |
|--|--|
| | |
| Backplate Rails | |
| Front Rear | |
| Front Rear | |
| 115 mm | |
| 12500 cycles without maintenance 25000 cycles with maintenance | |
| 10000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 10000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 | |
| 439 mm | |
| 441 mm | |
| 395 mm | |
| 90 kg | |
| EN/IEC 60947-1 EN/IEC 60947-2 | |
| CE CCC EAC | |
| | |

Environment

| IP degree of protection | IP30 conforming to IEC 60529 | |
|---------------------------------------|--|--|
| Pollution degree | 4 conforming to IEC 60664-1 | |
| Ambient air temperature for operation | -2570 °C | |
| Ambient air temperature for storage | -4085 °C | |
| Operating altitude | 02000 m without derating 2000 m5000 m with derating | |

Packing Units

| Unit Type of Package 1 | PCE |
|------------------------------|-----------|
| Number of Units in Package 1 | 1 |
| Package 1 Height | 34.0 cm |
| Package 1 Width | 40.0 cm |
| Package 1 Length | 31.0 cm |
| Package 1 Weight | 45.302 kg |

Contractual warranty

Warranty

12 months

Lenvironmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability \geq

| $\ensuremath{ \bigtriangledown}$ Environmental footprint | | |
|--|----------------|-------------------------------|
| Carbon footprint (kg.eq.CO2 per CR, Tota | al Life cycle) | 1370 |
| Environmental Disclosure | | Product Environmental Profile |

Use Better

| [⊗] Materials and Substances | |
|--|---|
| Recycled metal content at CR level | 0 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| EU RoHS Directive | Compliant with Exemptions |
| SCIP Number | 6a3c1e0b-44cb-4a11-80eb-a083722777c1 |
| REACh Regulation | REACh Declaration |
| Halogen content performance | Product contains halogen above thresholds |
| PVC free | Yes |
| Silicon free | No |
| | |

Use Again

| $^{\circlearrowright}$ Repack and remanufacture | |
|---|---|
| Circularity Profile | End of Life Information |
| Take-back | No |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |