

Product datasheet

Specifications



Circuit breaker frame, MasterPact NT08H1, 800A, 42kA/440VAC 50/60Hz (Icu), 4 poles, drawout, without control unit

47215

Main

| | |
|--------------------------------|----------------------------------|
| Range | MasterPacT |
| product name | MasterPact NT |
| Circuit breaker name | MasterPact NT08H1 |
| Product or component type | Circuit breaker |
| Device application | Power distribution protection |
| Poles description | 4P |
| Neutral position | Left |
| Control unit | Without control unit |
| [In] rated current | 800 A at 40 °C |
| Performance type | H1 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 0.5 s 42 kA 1 s 24 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 | 90 W |

| | |
|--------------------------------------|--|
| Maximum breaking time | 25 ms |
| Maximum closing response time | 50 ms |
| Mounting support | Backplate Rails |
| Upside connection | Front Rear |
| Downside connection | Front Rear |
| Connection pitch | 70 mm |
| Mechanical durability | 12500 cycles without maintenance |
| Electrical durability | 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 AC-23A: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-23A: 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-3: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 |
| Height | 322 mm |
| Width | 358 mm |
| Depth | 277 mm |
| Product weight | 39 kg |
| Standards | EN/IEC 60947-1 EN/IEC 60947-2 |
| Product certifications | CE CCC EAC |

Environment

| | |
|--|--|
| IP degree of protection | IP30 conforming to IEC 60529 |
| Pollution degree | 3 conforming to IEC 60664-1 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...85 °C |
| Operating altitude | 0...2000 m without derating 2000 m...5000 m with derating |

Packing Units

| | |
|-------------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 40.000 cm |
| Package 1 Width | 40.000 cm |
| Package 1 Length | 30.000 cm |
| Package 1 Weight | 17.828 kg |

Contractual warranty

| | |
|-----------------|-----------|
| Warranty | 18 months |
|-----------------|-----------|



Environmental 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 >](#)

Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) **686**

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **Yes**

SCIP Number **27fdc503-4522-4881-a1c6-58cfc3a5b0b0**

China RoHS Regulation [China RoHS declaration](#)

PVC free **Yes**

Silicon free **No**

Use Again

Repack and remanufacture

Circularity Profile [End of Life Information](#)

WEEE  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Halogen content performance **Halogen free plastic parts product**

Take-back **No**