

Product datasheet

Specifications



circuit breaker Masterpact NW20H1
- 2000 A - 3 poles - drawout - w/o
trip unit (Planned discontinuation
end of 2025, has been replaced by
LV948287)

Local distributor code:

387344939

48287

EAN Code: 3303430482871

Main

| | |
|--------------------------------|----------------------------------|
| Range | MasterPacT |
| Product name | MasterPact NW |
| Circuit breaker name | MasterPact NW20H1 |
| Product or component type | Circuit breaker |
| Device application | Power distribution protection |
| Poles description | 3P |
| Control unit | Without control unit |
| [In] rated current | 2000 A at 40 °C |
| Performance type | H1 65 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 | 65 kA at 220/415 V AC 50/60 Hz 65 kA at 440 V AC 50/60 Hz 65 kA at 525 V AC 50/60 Hz 65 kA at 690 V AC 50/60 Hz |
| [Ics] rated service breaking capacity | 65 kA at 220/415 V AC 50/60 Hz 65 kA at 440 V AC 50/60 Hz 65 kA at 525 V AC 50/60 Hz 65 kA at 690 V AC 50/60 Hz |
| [Icw] rated short-time withstand current | 65 kA 1 s 36 kA 3 s |
| [Icm] rated short-circuit making capacity | 143 kA 220/415 V AC at 50/60 Hz 143 kA 440 V AC at 50/60 Hz 143 kA 525 V AC at 50/60 Hz 143 kA 690 V AC at 50/60 Hz |
| Sensor rating | 1000 A 2000 A |
| [Ui] rated insulation voltage | 1000 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 12 kV |
| Power dissipation in W | 470 W |

| | |
|--------------------------------------|--|
| Maximum breaking time | 25 ms |
| Maximum closing response time | 70 ms |
| Mounting support | Backplate Rails |
| Upside connection | Front Rear |
| Downside connection | Front Rear |
| Connection pitch | 115 mm |
| Mechanical durability | 10000 cycles without maintenance 20000 cycles with maintenance |
| Electrical durability | 6000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 8000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 AC-23A: 6000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-23A: 8000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-3: 6000 cycles 440/690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 |
| Height | 439 mm |
| Width | 441 mm |
| Depth | 395 mm |
| Net weight | 90 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 | 4 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 | 30.5 cm |
| Package 1 Width | 29.5 cm |
| Package 1 Length | 37.5 cm |
| Package 1 Weight | 48.422 kg |

Logistical informations

| | |
|--------------------------|----|
| Country of origin | FR |
|--------------------------|----|

Contractual warranty



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

Total lifecycle Carbon footprint 3203

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number 6a3c1e0b-44cb-4a11-80eb-a083722777c1

REACH Regulation [REACH Declaration](#)

Halogen-free status Product contains halogen above thresholds

PVC free Yes

Silicone-free No

Use Again

Repack and remanufacture

End of life manual availability [End of Life Information](#)

Take-back No

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