

Product datasheet

Specifications



circuit breaker Masterpact NW20H2 - 2000 A - 4 poles - drawout

48438

! Discontinued

Main

| | |
|--------------------------------|----------------------------------|
| Range | MasterPacT |
| Product Name | MasterPact NW |
| Circuit Breaker Name | MasterPact NW20H2 |
| Product Or Component Type | Circuit breaker |
| Device Application | Power distribution protection |
| Poles Description | 4P |
| Neutral Position | Right |
| Control Unit | Without control unit |
| [In] Rated Current | 2000 A at 40 °C |
| Performance Type | H2 100 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

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| [Icu] Rated Ultimate Short-Circuit Breaking Capacity | 100 kA at 220/415 V AC 50/60 Hz 100 kA at 440 V AC 50/60 Hz 85 kA at 525 V AC 50/60 Hz 85 kA at 690 V AC 50/60 Hz |
| [Ics] Rated Service Breaking Capacity | 100 kA at 220/415 V AC 50/60 Hz 100 kA at 440 V AC 50/60 Hz 85 kA at 525 V AC 50/60 Hz 85 kA at 690 V AC 50/60 Hz |
| [Icw] Rated Short-Time Withstand Current | 85 kA 1 s 75 kA 3 s |
| [Icm] Rated Short-Circuit Making Capacity | 220 kA 220/415 V AC at 50/60 Hz 187 kA 440 V AC at 50/60 Hz 187 kA 525 V AC at 50/60 Hz 187 kA 690 V AC at 50/60 Hz |
| Integrated Instantaneous Protection (Din In Ka Peak) | 171...209 kA |
| Sensor Rating | 1000 A 2000 A |
| [Ui] Rated Insulation Voltage | 1000 V AC 50/60 Hz |

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|---|--|
| [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 | 556 mm |
| Depth | 395 mm |
| Net Weight | 120 kg |
| Standards | EN/IEC 60947-1 EN/IEC 60947-2 |
| Product Certifications | CE CCC EAC |

Environment

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|--|--|
| 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

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|-------------------------------------|-----------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 30.0 cm |
| Package 1 Width | 30.0 cm |
| Package 1 Length | 50.0 cm |
| Package 1 Weight | 56.502 kg |

Contractual warranty

Warranty

18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

Mercury Free

Rohs Exemption Information Yes

Pvc Free

Certifications & Standards

| | |
|--------------------------|---|
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Compliant with Exemptions |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile | End of Life Information |