



Main

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| Range | Masterpact |
| Range of product | Masterpact NW |
| Product name | Masterpact NW |
| Product or component type | Basic frame |
| Device short name | Masterpact NW12 |
| Circuit breaker name | Masterpact NW12H2 |
| Poles description | 3P |
| Network type | AC |
| Breaking capacity code | H2 |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Utilisation category | Category B |

Complementary

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|---|---|
| Network frequency | 50/60 Hz |
| Control type | Push-button |
| Mounting mode | Drawout |
| [In] rated current | 1250 A (40 °C) |
| [Ui] rated insulation voltage | 1000 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 12 kV conforming to IEC 60947-2 |
| [Icm] rated short-circuit making capacity | 187 kA 525 V AC 50/60 Hz 187 kA 690 V AC 50/60 Hz |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Circuit breaker CT rating | 1250 A |
| Breaking capacity | 100 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity | Ics 85 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 85 kA 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Protection type | Without protection |
| Mechanical durability | 12500 cycles without maintenance conforming to IEC 60947-2 25000 cycles with maintenance conforming to IEC 60947-2 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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| Electrical durability | AC-23A : 10000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-23A : 10000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-3 : 6000 cycles 440/690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 10000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 10000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 |
| Connection pitch | 115 mm |
| [I _{cw}] rated short-time withstand current | 50 kA (3 s) conforming to IEC 60947-2 85 kA (1 s) conforming to IEC 60947-2 |
| Integral instant protection | 171...209 kA |
| Maximum breaking time | 25 ms |
| Closing response time | < 70 ms |
| Height | 439 mm |
| Width | 441 mm |
| Depth | 394.5 mm |
| Compatibility code | NW12 |

Environment

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|---------------------------------------|-----------------------------|
| Standards | IEC 60947-2 |
| Product certifications | ASTA ASEFA |
| Pollution degree | 4 conforming to IEC 60664-1 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...85 °C |

Contractual warranty

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| Warranty period | 18 months |
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