



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 NW16 |
| Circuit breaker name | Masterpact NW16L1 |
| Poles description | 4P |
| Neutral position | Left |
| Network type | AC |
| Breaking capacity code | L1 |
| 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 | 1600 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 | 220 kA 690 V AC 50/60 Hz 286 kA 525 V AC 50/60 Hz |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Circuit breaker CT rating | 1600 A |
| Breaking capacity | 100 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 130 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity | Ics 100 kA 690 V AC 50/60 Hz conforming to IEC 60947-2 Ics 130 kA 525 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 |

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

25000 cycles with maintenance conforming to IEC 60947-2

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|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical durability | 3000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 |
| Connection pitch | 115 mm |
| [Icw] rated short-time withstand current | 30 kA (1 s) conforming to IEC 60947-2 30 kA (3 s) conforming to IEC 60947-2 |
| Integral instant protection | 72...88 kA |
| Maximum breaking time | 10 ms |
| Closing response time | < 70 ms |
| Height | 439 mm |
| Width | 556 mm |
| Depth | 394.5 mm |
| Compatibility code | NW16 |

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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