# Characteristics

## 48245
circuit breaker Masterpact NW10H1 - 1000 A - 3 poles - drawout - w/o trip unit

### Main
- **Range of product**: Masterpact NW
- **Product or component type**: Basic frame
- **Device short name**: Masterpact NW10
- **Circuit breaker name**: Masterpact NW10H1
- **Poles description**: 3P
- **Network type**: AC
- **Breaking capacity code**: H1
- **Suitability for isolation**: Yes conforming to IEC 60947-2
- **Utilisation category**: Category B

### Complementary
- **Network frequency**: 50/60 Hz
- **Control type**: Push-button
- **Mounting mode**: Drawout
- **[In] rated current**: 1000 A at 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**: 143 kA 525 V AC at 50/60 Hz
  
  143 kA 690 V AC at 50/60 Hz
- **[Ue] rated operational voltage**: 690 V AC 50/60 Hz conforming to IEC 60947-2
- **Circuit breaker CT rating**: 1000 A
- **Breaking capacity**: 65 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2
  
  65 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2
  
  65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
  
  65 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2
  
  65 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2
- **[Ics] rated service breaking capacity**: 65 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2
  
  65 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2
- **Protection type**: Without protection

**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.

Dec 24, 2019
| **Mechanical durability** | 12500 cycles without maintenance conforming to IEC 60947-2  
25000 cycles with maintenance conforming to IEC 60947-2 |
|-------------------------|---------------------------------------------------------------|
| **Electrical durability** | 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  
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 |
| **Connection pitch** | 115 mm |
| **[Icw] rated short-time withstand current** | 36 kA 3 s conforming to IEC 60947-2  
65 kA 1 s conforming to IEC 60947-2 |
| **Maximum breaking time** | 25 ms |
| **Maximum closing response time** | 70 ms |
| **Height** | 439 mm |
| **Width** | 441 mm |
| **Depth** | 394.5 mm |

**Environment**
- **Standards**: IEC 60947-2
- **Product certifications**: ASTA
- **Pollution degree**: 4 conforming to IEC 60664-1
- **Ambient air temperature for operation**: -25…70 °C
- **Ambient air temperature for storage**: -40…85 °C

**Offer Sustainability**
- **Sustainable offer status**: Green Premium product
- **REACH Regulation**: REACH Declaration
- **EU RoHS Directive**: Compliant
- **EU RoHS Declaration**: EU RoHS Declaration
- **Mercury free**: Yes
- **RoHS exemption information**: Yes
- **China RoHS Regulation**: China RoHS declaration
  - Product out of China RoHS scope. Substance declaration for your information
- **Environmental Disclosure**: Product Environmental Profile
- **Circularity Profile**: End of Life Information

**Contractual warranty**
- **Warranty**: 18 months