



### Main

|                           |                               |
|---------------------------|-------------------------------|
| Range                     | Masterpact                    |
| Range of product          | Masterpact NW                 |
| Product name              | Masterpact NW                 |
| Product or component type | Basic frame                   |
| Device short name         | Masterpact NW20               |
| Circuit breaker name      | Masterpact NW20H1             |
| 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                        | 2000 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 | 143 kA 525 V AC 50/60 Hz<br>143 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                 | 2000 A   |
| Breaking capacity                         | 65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity     | Ics 65 kA 525 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 65 kA 690 V AC 50/60 Hz conforming to IEC 60947-2   |
| Protection type                           | Without protection   |
| Mechanical durability                     | 10000 cycles without maintenance conforming to IEC 60947-2<br>20000 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

|  |  |
|--|--|
| Electrical durability                    | AC-23A : 6000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2<br>AC-23A : 8000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2<br>AC-3 : 6000 cycles 440/690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2<br>6000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2<br>8000 cycles 440 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<br>65 kA ( 1 s ) conforming to IEC 60947-2   |
| Maximum breaking time                    | 25 ms  |
| Closing response time                    | < 70 ms  |
| Height                                   | 439 mm   |
| Width                                    | 441 mm   |
| Depth                                    | 394.5 mm   |
| Compatibility code                       | NW20   |

## 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                 |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|