



### Main

|                           |                               |
|---------------------------|-------------------------------|
| Range of product          | Masterpact NW                 |
| Product or component type | Basic frame                   |
| Device short name         | Masterpact NW16               |
| Circuit breaker name      | Masterpact NW16H1             |
| Poles description         | 4P                            |
| Neutral position          | Left                          |
| 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                        | 1600 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<br>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                 | 1600 A                                                                                                                                                                                                                                                                                                               |
| Breaking capacity                         | 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 440 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     | 65 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>65 KA at 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<br>25000 Cycles with maintenance conforming to IEC 60947-2                                                                                                                                                                                                |

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical durability                    | 10000 Cycles 440 V AC 50/60 Hz without maintenance conforming-<br>to IEC 60947-2<br>10000 Cycles 690 V AC 50/60 Hz without maintenance conforming-<br>to IEC 60947-2<br>AC-23A: 10000 cycles 440 V AC 50/60 Hz without maintenance conforming-<br>to IEC 60947-2<br>AC-23A: 10000 cycles 690 V AC 50/60 Hz without maintenance conforming-<br>to IEC 60947-2<br>AC-3: 6000 cycles 440/690 V AC 50/60 Hz without maintenance conforming-<br>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                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Maximum closing response time            | 70 Ms                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Height                                   | 439 Mm                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Width                                    | 556 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                 |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Weight             | 47.653 Kg |
| Package 1 Height             | 30.5 Cm   |
| Package 1 width              | 29.5 Cm   |
| Package 1 Length             | 49.5 Cm   |

## Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| EU RoHS Directive          | Compliant <a href="#">EU RoHS Declaration</a>                                                                               |
| Mercury free               | Yes                                                                                                                         |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                      |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                               |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                     |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| PVC free                   | Yes                                                                                                                         |

## Contractual warranty

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

Product Life Status : **Commercialised**