

# Product datasheet

Specifications



## switch-disconnector Masterpact NW16NA - 1600 A - 690 V - 3 poles - fixed

48046

### Main

|                                           |                                              |
|-------------------------------------------|----------------------------------------------|
| Range                                     | MasterPacT                                   |
| Product name                              | MasterPact NW                                |
| Product or component type                 | Switch disconnector                          |
| Device short name                         | MasterPact NW16                              |
| Switch-disconnector name                  | MasterPact NW16NA                            |
| Device application                        | Protection                                   |
| Poles description                         | 3P                                           |
| Network type                              | AC                                           |
| Network frequency                         | 50/60 Hz                                     |
| [Ie] rated operational current            | 1600 A AC 50/60 Hz 690 V                     |
| [Ui] rated insulation voltage             | 1000 V AC 50/60 Hz conforming to IEC 60947-3 |
| [Uimp] rated impulse withstand voltage    | 12 kV conforming to IEC 60947-3              |
| [Icm] rated short-circuit making capacity | 88 kA 220...690 V AC at 50/60 Hz             |
| Breaking capacity code                    | NA                                           |
| Suitability for isolation                 | Yes conforming to IEC 60947-3                |
| Contact position indicator                | Yes                                          |
| Visible break                             | No                                           |
| Pollution degree                          | 4 conforming to IEC 60664-1                  |

### Complementary

|                                          |                                                                                                                                                                                                                                                                       |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control type                             | Push-button                                                                                                                                                                                                                                                           |
| Mounting mode                            | Fixed                                                                                                                                                                                                                                                                 |
| Operating rate                           | 10 cyc/h maximum                                                                                                                                                                                                                                                      |
| [Icw] rated short-time withstand current | 42 kA during 1 s conforming to IEC 60947-3                                                                                                                                                                                                                            |
| Mechanical durability                    | 12500 cycles without maintenance conforming to IEC 60947-3<br>25000 cycles with maintenance conforming to IEC 60947-3                                                                                                                                                 |
| Electrical durability                    | AC-23A: 10000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-3<br>AC-23A: 10000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-3<br>AC-3: 6000 cycles 440/690 V AC 50/60 Hz without maintenance conforming to IEC 60947-3 |
| Connection pitch                         | 115 mm                                                                                                                                                                                                                                                                |
| Height                                   | 352 mm                                                                                                                                                                                                                                                                |

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

|            |        |
|------------|--------|
| Width      | 442 mm |
| Depth      | 297 mm |
| Net weight | 60 kg  |

## Environment

|                                       |               |
|---------------------------------------|---------------|
| Standards                             | IEC 60947-3   |
| Product certifications                | ASEFA<br>ASTA |
| Ambient air temperature for operation | -25...70 °C   |
| Ambient air temperature for storage   | -35...85 °C   |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 30.5 cm  |
| Package 1 Width              | 29.5 cm  |
| Package 1 Length             | 37.5 cm  |
| Package 1 Weight             | 47.27 kg |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                       | 1 319 kg CO2 eq.                              |
| Carbon footprint of the manufacturing phase [A1 to A3] | 277 kg CO2 eq.                                |
| Carbon footprint of the distribution phase [A4]        | 7 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]        | 10 kg CO2 eq.                                 |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 926 kg CO2 eq.                                |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 100 kg CO2 eq.                                |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                                                                                                       |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                   |
| Packaging without single use plastic   | No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards |
| SCIP Number                            | 6a3c1e0b-44cb-4a11-80eb-a083722777c1                                                                                                  |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                                                                |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a>                                                |
| Halogen-free status                    | Product contains halogen above thresholds                                                                                             |
| PVC free                               | Yes                                                                                                                                   |
| Silicone-free                          | No                                                                                                                                    |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



### Repack and remanufacture

|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in %   | 69                                                                                                                                                                                                              |
| End of life manual availability | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Take-back                       | Nej                                                                                                                                                                                                             |
| WEEE Label                      |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

