

# Product datasheet

Specifications



Control unit MicroLogic 5.0H,  
MasterPact NW drawout, selective  
protections (LSI), power meter +  
harmonics

48366

## Main

|                                |                                                                                                                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                          | MasterPact                                                                                                                                                                                |
| Range Of Product               | MasterPact NW                                                                                                                                                                             |
| Product Or Component Type      | Control unit                                                                                                                                                                              |
| Trip Unit Name                 | MicroLogic 5.0 H                                                                                                                                                                          |
| Trip Unit Technology           | Electronic                                                                                                                                                                                |
| Range Compatibility            | Masterpact NW08...40<br>Masterpact NW40b...63<br>Masterpact NW H10<br>Masterpact NW H2 corrosion protection                                                                               |
| Device Application             | Distribution                                                                                                                                                                              |
| Number Of Poles                | 4P<br>3P                                                                                                                                                                                  |
| Protected Poles Description    | 4t<br>3t<br>3t + N/2                                                                                                                                                                      |
| Trip Unit Protection Functions | Selective protection                                                                                                                                                                      |
| Protection Type                | for short time short-circuit protection<br>for overload protection (long time)<br>for instantaneous short-circuit protection                                                              |
| Trip Unit Rating               | 800 A at 50 °C<br>1000 A at 50 °C<br>1250 A at 50 °C<br>1600 A at 50 °C<br>2000 A at 50 °C<br>2500 A at 50 °C<br>3200 A at 50 °C<br>4000 A at 50 °C<br>5000 A at 50 °C<br>6300 A at 50 °C |
| Network Type                   | AC                                                                                                                                                                                        |
| Network Frequency              | 50/60 Hz                                                                                                                                                                                  |
| Circuit Breaker Mounting Mode  | Drawout                                                                                                                                                                                   |

## Complementary

|                                                              |                                                                              |
|--------------------------------------------------------------|------------------------------------------------------------------------------|
| Long-Time Pick-Up Adjustment<br>Type Ir (Thermal Protection) | Adjustable 9 settings                                                        |
| [Ir] Long-Time Protection Pick-Up<br>Adjustment Range        | 0.4...1 x In                                                                 |
| Long-Time Protection Delay<br>Adjustment Type Tr             | Adjustable 9 settings                                                        |
| [Tr] Long-Time Protection Delay<br>Adjustment Range          | 0.7...16.6 s at 7.2 x Ir<br>0.7...24 s at 6 x Ir<br>12.5...600 s at 1.5 x Ir |

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

|                                                        |                                                                                |
|--------------------------------------------------------|--------------------------------------------------------------------------------|
| Thermal Memory                                         | 20 mn                                                                          |
| Short-Time Protection Pick-Up Adjustment Type Isd      | Adjustable 9 settings                                                          |
| [Isd] Short-Time Protection Pick-Up Adjustment Range   | 1.5...10 x Ir                                                                  |
| Short-Time Protection Delay Adjustment Type Tsd        | Adjustable                                                                     |
| [Tsd] Short-Time Protection Delay Adjustment Range     | 0...0.4 s I <sup>2</sup> t=off<br>0.1...0.4 s I <sup>2</sup> t=on              |
| Instantaneous Protection Pick-Up Adjustment Type Ii    | Adjustable 9 settings                                                          |
| [Ii] Instantaneous Protection Pick-Up Adjustment Range | 2...15 x In<br>Off                                                             |
| Earth-Leakage Protection                               | Without                                                                        |
| Zone Selective Interlocking Zsi                        | With                                                                           |
| Local Signalling                                       | 3 LEDs (red) for electrical fault<br>1 LED (red) for internal error            |
| Display Type                                           | Digital display                                                                |
| Type Of Measurement                                    | Harmonics meter<br>Power meter                                                 |
| Communication Of Data                                  | Measurement readout<br>Protection and alarm settings<br>Maintenance indicators |

## Environment

|                                       |             |
|---------------------------------------|-------------|
| 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 Height             | 7.0 cm   |
| Package 1 Width              | 8.0 cm   |
| Package 1 Length             | 22.0 cm  |
| Package 1 Weight             | 1.117 kg |

## Contractual warranty

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

Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency   RoHS/REACH

Well-being performance

|   |                            |     |
|---|----------------------------|-----|
| ✓ | Mercury Free               |     |
| ✓ | RoHS Exemption Information | Yes |
| ✓ | Pvc Free                   |     |

Certifications & Standards

|                          |                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                     |
| Eu RoHS Directive        | Compliant with Exemptions                                                                                             |
| China RoHS Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                         |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                               |