

# Product datasheet

Specifications



## Circuit breaker frame, adapt EasyPact NW, 3 Poles, 1600A, H, fixed

ENW24144

### Main

|                             |                               |
|-----------------------------|-------------------------------|
| Range of product            | EasyPact NW                   |
| Range                       | EasyPact                      |
| Product or component type   | Circuit breaker               |
| Device short name           | ENW16H                        |
| Device application          | Distribution                  |
| Poles description           | 3P                            |
| Protected poles description | 3P 3d                         |
| Network type                | AC                            |
| Breaking capacity code      | H                             |
| 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                             | Fixed                                                                                                                            |
| Mounting support                          | Base plate                                                                                                                       |
| Connection position                       | Horizontal<br>Vertical                                                                                                           |
| Location of connection                    | Rear                                                                                                                             |
| [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 (Icm) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2<br>105 kA (Icm) at 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ue] rated operational voltage            | 690 V AC 50/60 Hz conforming to IEC 60947-2                                                                                      |
| Breaking capacity                         | 66 kA Icu at 220...440 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2       |
| [Ics] rated service breaking capacity     | 65 kA (Ics) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA (Ics) at 690 V AC 50/60 Hz conforming to IEC 60947-2   |
| Circuit breaker CT rating                 | 1600 A                                                                                                                           |
| Mechanical durability                     | 20000 cycles (with maintenance) conforming to IEC 60947-2<br>10000 cycles (without maintenance) conforming to IEC 60947-2        |

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

|                                          |                                                                                                                                                                                                  |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical durability                    | Category B: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2<br>Category B: 4000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2               |
| Connection pitch                         | 115 mm without spreader                                                                                                                                                                          |
| Contact position indicator               | Yes                                                                                                                                                                                              |
| [Icw] rated short-time withstand current | 65 kA (1 s) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA (1 s) at 690 V AC 50/60 Hz conforming to IEC 60947-2<br>36 kA (3 s) at 440/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Maximum breaking time                    | 25 ms                                                                                                                                                                                            |
| Maximum closing response time            | 70 ms                                                                                                                                                                                            |
| Height                                   | 352 mm                                                                                                                                                                                           |
| Width                                    | 422 mm                                                                                                                                                                                           |
| Depth                                    | 297 mm                                                                                                                                                                                           |
| Product weight                           | 40 kg                                                                                                                                                                                            |

## Environment

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| Standards                             | IEC 60947-2                                                       |
| Product certifications                | GOST<br>CCC<br>IEC<br>CCS                                         |
| IP degree of protection               | IP40                                                              |
| Pollution degree                      | 4 conforming to IEC 60664-1                                       |
| Ambient air temperature for operation | -5...60 °C                                                        |
| Ambient air temperature for storage   | -40...85 °C without control unit<br>-25...85 °C with control unit |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 35.2 cm |
| Package 1 Width              | 42.2 cm |
| Package 1 Length             | 29.7 cm |
| Package 1 Weight             | 40 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                       | 3 613 kg CO2 eq.                              |
| Carbon footprint of the manufacturing phase [A1 to A3] | 311 kg CO2 eq.                                |
| Carbon footprint of the distribution phase [A4]        | 77 kg CO2 eq.                                 |
| Carbon footprint of the installation phase [A5]        | 3 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 3 100 kg CO2 eq.                              |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 122 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                            | 3f2d539a-6ab5-46aa-8603-9354f4ae3294                                                                                                  |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                                                                |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a>                                                |

## Use Longer



### Lifetime extension

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

## Use Again



### Repack and remanufacture

|                                 |                                         |
|---------------------------------|-----------------------------------------|
| Recyclability potential, in %   | 68                                      |
| End of life manual availability | <a href="#">End of Life Information</a> |
| Take-back                       | No                                      |

Offer Marketing Illustration

Product benefits / Features

EasyPact NW



Technical Illustration

Assembly's dimensions

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