

# Product datasheet

Specifications



## Trip unit, EasyPact NW, AC, TSA6G, Drawout

ENW21438

### Main

Range of product	EasyPact NW
Product or component type	Control unit
Circuit breaker application	Standard Industrial
Poles description	4P 3P
Protected poles description	4D 3D + N/2 3D
Neutral position	Left
Network type	AC
Trip unit name	Trip System 6.0A
Trip unit technology	Micro-processor based
Trip unit rating	800...4000 A

### Complementary

Network frequency	50/60 Hz
Mounting mode	Fixed
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Neutral protection setting	Without protection (3D) 0.5 x I <sub>r</sub> (3D + N/2) 1 x I <sub>r</sub> (4D)
Trip unit protection functions	LSIG
Protection type	Earth fault Short time short-circuit protection Overload protection (long time) Instantaneous short-circuit protection
Fault indication	Overload Earth fault Short-circuit Internal fault
Long time pick-up adjustment type I <sub>r</sub>	Adjustable 9 settings
Long time pick-up adjustment range	0.4...1 x I <sub>n</sub>
Long time delay adjustment type	Adjustable 9 settings
[tr] long-time delay adjustment range	0.5...24 s (6 x I <sub>r</sub> ), accuracy: 0...- 20 %
Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type I <sub>sd</sub>	Adjustable 9 settings

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

<b>[I<sub>sd</sub>] short-time pick-up adjustment range</b>	1.5...10 x I <sub>r</sub>
<b>Short-time delay adjustment type</b>	Adjustable 5 settings
<b>[t<sub>sd</sub>] short-time delay adjustment range</b>	100...400 ms
<b>Instantaneous pick-up adjustment type I<sub>i</sub></b>	Adjustable 9 settings
<b>Instantaneous pick-up adjustment range</b>	2...15 x I <sub>n</sub> , accuracy: +/- 10 % Off
<b>Ground-fault time delay adjustment type -t<sub>g</sub></b>	Adjustable 5 settings
<b>Ground-fault pick-up adjustment type</b>	Adjustable 9 settings
<b>[t<sub>g</sub>] ground-fault time delay adjustment range</b>	100...400 ms
<b>[I<sub>g</sub>] ground-fault pick-up adjustment range</b>	0.2...1 x I <sub>n</sub> (400 A < I <sub>n</sub> ≤ 1000 A), accuracy: +/- 10 % 500...1200 x I <sub>n</sub> (I <sub>n</sub> ≥ 1250 A), accuracy: +/- 10 %
<b>Zone selective interlocking ZSI</b>	With
<b>Display type</b>	Digital display
<b>Type of measurement</b>	Energy meter
<b>Height</b>	200 mm
<b>Width</b>	55 mm
<b>Depth</b>	75 mm
<b>Product weight</b>	0.213 kg

## Environment

<b>Ambient air temperature for operation</b>	-5...70 °C
<b>Ambient air temperature for storage</b>	-25...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	20 cm
<b>Package 1 Width</b>	5.5 cm
<b>Package 1 Length</b>	7.5 cm
<b>Package 1 Weight</b>	210 g

## Contractual warranty

<b>Warranty (in months)</b>	18
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## 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	39 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.3 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	36 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.5 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
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## 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

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EasyPact NW



The central image shows a Schneider EasyPact NW circuit breaker unit, a compact, black metal enclosure with a green status bar on top. It is surrounded by six feature callouts:

- NFC connectivity**: Represented by a smartphone icon with a signal wave, indicating wireless communication capabilities.
- Colour-coded health status bar**: Accompanied by a hand icon, describing the visual monitoring system.
- Simpler commissioning**: Shown with a checkmark icon, highlighting the ease of setup.
- Innovative front-end retrofit capability**: Marked with a magnifying glass icon, referring to the quick upgrade process.
- Detailed event logs**: Indicated by a calendar icon, pointing to the fault diagnosis and recording features.
- Compact frame**: Represented by a bolt icon, emphasizing the space-saving design.

**NFC connectivity**



**Colour-coded health status bar**

Offers easy monitoring and allows for proactive actions.



**Simpler commissioning**

Achieve quick and simple commissioning through EPC and mobile EPD.



**Innovative front-end retrofit capability**

Enables upgrades in just 5 minutes, eliminating the need for shutdown.



**Detailed event logs**

Facilitates rapid fault diagnosis with easy access to detailed trip event records.



**Compact frame**

Optimizes switchboard footprints with a compact frame size, offering a higher breaking capacity of up to 66 kA.

