

Product datasheet

Specifications



Trip unit, EasyPact NW, TSA6G, Fixed

ENW21428

Main

Range of product	EasyPact NW
Product or component type	Control unit
Circuit breaker application	Industrial Standard
Poles description	4P 3P
Protected poles description	3D 4D 3D + N/2
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 _r (3D + N/2) 1 x I _r (4D)
Trip unit protection functions	LSIG
Protection type	Instantaneous short-circuit protection Short time short-circuit protection Overload protection (long time) Earth fault
Fault indication	Internal fault Short-circuit Overload Earth fault
Long time pick-up adjustment type I _r	Adjustable 9 settings
Long time pick-up adjustment range	0.4...1 x I _n
Long time delay adjustment type	Adjustable 9 settings
[t _r] long-time delay adjustment range	0.5...24 s (6 x I _r), accuracy: 0...- 20 %
Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type I _{sd}	Adjustable 9 settings

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

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

Environment

Ambient air temperature for operation	-5...70 °C
Ambient air temperature for storage	-25...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	30 cm
Package 1 Width	20 cm
Package 1 Length	10 cm
Package 1 Weight	3 kg

Contractual warranty

Warranty (in months)	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	Product Environmental Profile

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	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	68
End of life manual availability	End of Life Information
Take-back	No

Offer Marketing Illustration

Product benefits / Features

EasyPact NW



The central image shows a Schneider EasyPact NW circuit breaker unit, a large industrial electrical component with a green and black color scheme, mounted on a metal frame. It is surrounded by six feature callouts, each with a green icon and a text box.

- NFC connectivity** (Icon: smartphone with signal waves) - Offers easy monitoring and allows for proactive actions.
- Colour-coded health status bar** (Icon: bar chart) - Offers easy monitoring and allows for proactive actions.
- Simpler commissioning** (Icon: checkmark) - Achieve quick and simple commissioning through EPIC and mobile EPD.
- Innovative front-end retrofit capability** (Icon: eye with gear) - Enables upgrades in just 5 minutes, eliminating the need for shutdown.
- Detailed event logs** (Icon: calendar) - Facilitates rapid fault diagnosis with easy access to detailed trip event records.
- Compact frame** (Icon: gear with star) - Optimizes switchboard footprints with a compact frame size, offering a higher breaking capacity of up to 66 kA.