

Product datasheet

Specifications



Trip unit, EasyPact NW, TSE5S, Drawout

ENW21416

Main

Range of product	EasyPact NW
Product or component type	Control unit
Circuit breaker application	Standard Industrial
Poles description	4P 3P
Protected poles description	3D 4D 3D + N/2
Neutral position	Left
Network type	AC
Trip unit name	Trip System 5.0E
Trip unit technology	Micro-processor based
Trip unit rating	800...4000 A

Complementary

Network frequency	50/60 Hz
Mounting mode	Drawout
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Neutral protection setting	Without protection (3D) 0.5 x Ir (3D + N/2) 1 x Ir (4D)
Trip unit protection functions	LSI
Protection type	Instantaneous short-circuit protection Short time short-circuit protection Overload protection (long time)
Fault indication	Earth fault Overload Internal fault Short-circuit
Long time pick-up adjustment type Ir	Adjustable 9 settings
Long time pick-up adjustment range	0.4...1 x In
Long time delay adjustment type	Adjustable 9 settings
[tr] long-time delay adjustment range	0.5...24 s (6 x Ir), accuracy: 0...- 20 %
Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type Isd	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
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 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, highlighting the visual status indicators on the top of the unit.
- Simpler commissioning**: Shown with a checkmark icon, referring to the ease of setup via EPIC and mobile EPD.
- Innovative front-end retrofit capability**: Marked with a magnifying glass icon, describing the ability to upgrade the unit in just 5 minutes without a shutdown.
- Detailed event logs**: Indicated by a calendar icon, pointing to the comprehensive fault diagnosis and trip event records.
- Compact frame**: Signified by a bolt icon, noting the optimized switchboard footprint and higher breaking capacity of up to 66 kA.