

Product datasheet

Specifications



Circuit breaker frame, adapt EasyPact NW, 4 Poles, 1600A, N, withdrawal

ENW24120

Main

Range of product	EasyPact NW
Range	EasyPact
Product or component type	Circuit breaker
Device short name	ENW16N
Device application	Distribution
Poles description	4P
Neutral position	Left
Protected poles description	4P 4d
Network type	AC
Breaking capacity code	N
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	Drawout
Mounting support	Rail
Connection position	Horizontal 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	105 kA (Icm) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 88 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	50 kA Icu at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	50 kA (Ics) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 42 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 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 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	50 kA (1 s) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 42 kA (1 s) at 690 V AC 50/60 Hz conforming to IEC 60947-2 25 kA (3 s) at 440/690 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)
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Height	439 mm
Width	556 mm
Depth	395 mm
Product weight	85 kg

Environment

Standards	IEC 60947-2
Product certifications	GOST CCS CCC IEC
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 -25...85 °C with control unit

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	43.9 cm
Package 1 Width	55.6 cm
Package 1 Length	39.5 cm
Package 1 Weight	85 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	9 619 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	747 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	185 kg CO2 eq.
Carbon footprint of the installation phase [A5]	8 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	8 388 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	292 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

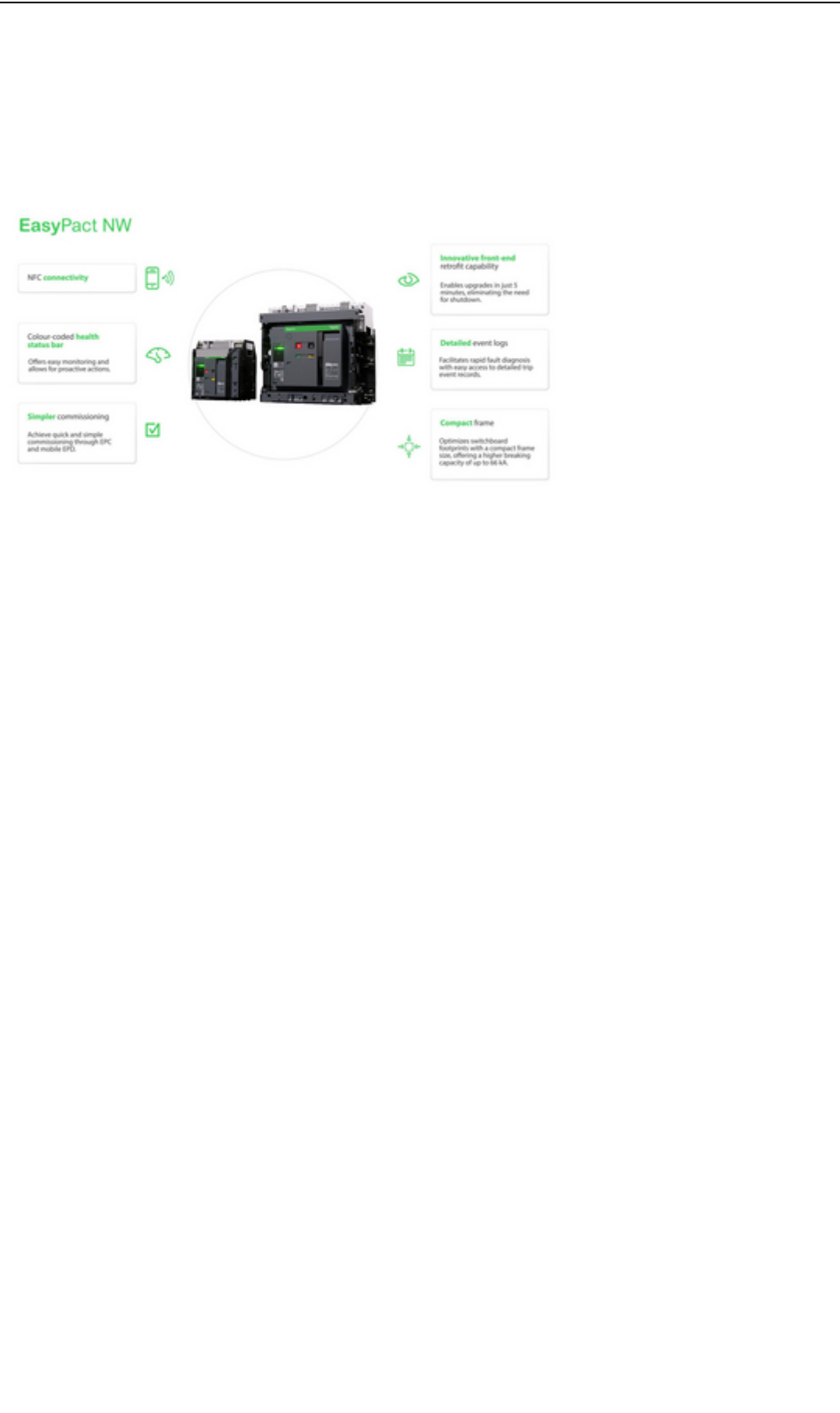


Repack and remanufacture

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

Offer Marketing Illustration

Product benefits / Features



Technical Illustration

Assembly's dimensions

