

# Product datasheet

Specifications



## EasyPact EVS 800A 65KA 3P EDO 240VAC Trip System 5.0A Circuit breaker

EVS08H3NW5A

### Main

Range of product	EasyPact EVS
Range	EasyPact
Device short name	EVS08H
Product or component type	Circuit breaker
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
Trip unit name	EVS Trip System 5A
Trip unit technology	Electronic
Trip unit rating	800 A

### Complementary

Network frequency	50/60 Hz
Control type	Electrically operated
Mounting mode	Drawout
Mounting support	Rail Base plate
Connection position	Vertical Horizontal
Location of connection	Rear
[In] rated current	800 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
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker CT rating	800 A
Breaking capacity	65 kA Icu at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 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 50 kA (Ics) at 690 V AC 50/60 Hz conforming to IEC 60947-2

<b>Mechanical durability</b>	20000 cycles (with maintenance) conforming to IEC 60947-2 10000 cycles (without maintenance) conforming to IEC 60947-2
<b>Electrical durability</b>	Category B: 5000 cycles 440/690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2
<b>Connection pitch</b>	115 mm without spreader
<b>Contact position indicator</b>	Yes
<b>[Icm] rated short-circuit making capacity</b>	143 kA (Icm) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 105 kA (Icm) at 690 V AC 50/60 Hz conforming to IEC 60947-2
<b>[Icw] rated short-time withstand current</b>	65 kA (1 s) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA (1 s) at 690 V AC 50/60 Hz conforming to IEC 60947-2 36 kA (3 s) at 440/690 V AC 50/60 Hz conforming to IEC 60947-2
<b>Trip unit protection functions</b>	LSI
<b>Protection type</b>	Overload protection (long time) Instantaneous short-circuit protection Short time short-circuit protection
<b>Fault indication</b>	Internal fault Overload Short-circuit
<b>Long time pick-up adjustment type I<sub>r</sub></b>	Adjustable 9 settings
<b>Long time pick-up adjustment range</b>	0.4...1 x I <sub>n</sub>
<b>Long time delay adjustment type</b>	Adjustable 9 settings
<b>[t<sub>tr</sub>] long-time delay adjustment range</b>	0.5...24 s at 6 x I <sub>r</sub>
<b>Thermal memory</b>	20 minutes before and after tripping
<b>Short-time pick-up adjustment type I<sub>sd</sub></b>	Adjustable 9 settings
<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> Off
<b>Zone selective interlocking ZSI</b>	With
<b>Display type</b>	Digital display
<b>Type of measurement</b>	Current
<b>Maximum breaking time</b>	25 ms
<b>Maximum closing response time</b>	70 ms
<b>Height</b>	439 mm
<b>Width</b>	441 mm
<b>Depth</b>	395 mm
<b>Product weight</b>	90 kg

## Environment

<b>Standards</b>	IEC 60947-2
<b>Product certifications</b>	EAC IEC
<b>IP degree of protection</b>	IP40

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<b>Pollution degree</b>	4 conforming to IEC 60664-1
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<b>Ambient air temperature for operation</b>	-5...70 °C
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<b>Ambient air temperature for storage</b>	-40...85 °C without control unit -25...85 °C with control unit
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## Packing Units

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<b>Unit Type of Package 1</b>	PCE
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<b>Number of Units in Package 1</b>	1
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<b>Package 1 Height</b>	43.9 cm
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<b>Package 1 Width</b>	44.1 cm
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<b>Package 1 Length</b>	39.5 cm
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<b>Package 1 Weight</b>	90.0 kg
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## Contractual warranty

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<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	1 837 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	491 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	111 kg CO2 eq.
Carbon footprint of the installation phase [A5]	42 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	1 086 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	108 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
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 %	75
End of life manual availability	<a href="#">End of Life Information</a>
Removable battery	Yes
Take-back	No