

Product datasheet

Specifications



EasyPact EVS 1600A 65KA 3P MDO Trip System 5.0A Circuit breaker

EVS16H3MW5A

Main

Range of product	EasyPact EVS
Range	EasyPact
Device short name	EVS16H
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	1600 A

Complementary

Network frequency	50/60 Hz
Control type	Manually operated
Mounting mode	Drawout
Mounting support	Rail Base plate
Connection position	Vertical Horizontal
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
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker CT rating	1600 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

Mechanical durability	20000 cycles (with maintenance) conforming to IEC 60947-2 10000 cycles (without maintenance) conforming to IEC 60947-2
Electrical durability	Category B: 5000 cycles 440/690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2
Connection pitch	115 mm without spreader
Contact position indicator	Yes
[Icm] rated short-circuit making capacity	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
[Icw] rated short-time withstand current	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
Trip unit protection functions	LSI
Protection type	Overload protection (long time) Instantaneous short-circuit protection Short time short-circuit protection
Fault indication	Internal fault Overload 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 at 6 x Ir
Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type Isd	Adjustable 9 settings
[Isd] short-time pick-up adjustment range	1.5...10 x Ir
Short-time delay adjustment type	Adjustable 5 settings
[tsd] short-time delay adjustment range	100...400 ms
Instantaneous pick-up adjustment type Ii	Adjustable 9 settings
Instantaneous pick-up adjustment range	2...15 x In Off
Zone selective interlocking ZSI	With
Display type	Digital display
Type of measurement	Current
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Height	439 mm
Width	441 mm
Depth	395 mm
Product weight	90 kg

Environment

Standards	IEC 60947-2
Product certifications	EAC IEC
IP degree of protection	IP40

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

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	43.9 cm
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Package 1 Width	44.1 cm
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Package 1 Length	39.5 cm
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Package 1 Weight	90.0 kg
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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	4 985 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]	4 234 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	108 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
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 %	75
End of life manual availability	End of Life Information
Removable battery	Yes
Take-back	No