

Product datasheet

Specifications



EasyPact EVS 2000A 65KA 4P MDO Trip System 6.0A Circuit breaker

EVS20H4MW6A

Main

Range of product	EasyPact EVS
Range	EasyPact
Device short name	EVS20H
Product or component type	Circuit breaker
Device application	Distribution
Poles description	4P
Protected poles description	4P 4d
Neutral position	Left
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 6A
Trip unit technology	Electronic
Trip unit rating	2000 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	2000 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	2000 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
Neutral protection setting	Without protection 0.5 x Ir 1 x Ir
Trip unit protection functions	LSIG
Protection type	Overload protection (long time) Instantaneous short-circuit protection Short time short-circuit protection Earth fault
Fault indication	Internal fault Overload Short-circuit Earth fault
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 I_{sd}	Adjustable 9 settings
[I_{sd}] short-time pick-up adjustment range	1.5...10 x Ir
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 In Off
Ground-fault pick-up adjustment type	Adjustable 9 settings
Ground-fault time delay adjustment type -t_g	Adjustable 5 settings
[t_g] ground-fault time delay adjustment range	100...400 ms
[I_g] ground-fault pick-up adjustment range	0.2...1 x In
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	556 mm
Depth	395 mm
Product weight	120 kg

Environment

Standards	IEC 60947-2
Product certifications	EAC IEC
IP degree of protection	IP40
Pollution degree	4 conforming to IEC 60664-1
Ambient air temperature for operation	-5...70 °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	120.0 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	6 104 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	655 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	148 kg CO2 eq.
Carbon footprint of the installation phase [A5]	56 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	5 102 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	144 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