

Product datasheet

Specifications



EasyPact EVS 2500A 65KA 3P EF 240VAC Trip System2.0 Circuit breaker

EVS25H3NF20

Main

| | |
|-----------------------------|-------------------------------|
| Range of product | EasyPact EVS |
| Range | EasyPact |
| Device short name | EVS25H |
| 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 System2.0 |
| Trip unit technology | Electronic |
| Trip unit rating | 2500 A |

Complementary

| | |
|--|--|
| Network frequency | 50/60 Hz |
| Control type | Electrically operated |
| Mounting mode | Fixed |
| Mounting support | Rail Base plate |
| Connection position | Vertical Horizontal |
| Location of connection | Rear |
| [In] rated current | 2500 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 | 2500 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 |

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| 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 | LI |
| Protection type | Overload protection (long time) Instantaneous short-circuit protection |
| 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 |
| Instantaneous pick-up adjustment type li | Adjustable 9 settings |
| Instantaneous pick-up adjustment range | 1.5...10 x Ir |
| Zone selective interlocking ZSI | With |
| Maximum breaking time | 25 ms |
| Maximum closing response time | 70 ms |
| Height | 352 mm |
| Width | 422 mm |
| Depth | 297 mm |
| Product weight | 60 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

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|-------------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 35.2 cm |
| Package 1 Width | 42.2 cm |

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|------------------|---------|
| Package 1 Length | 29.7 cm |
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| Package 1 Weight | 60.0 kg |
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Contractual warranty

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|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



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 | 3 324 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 327 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 74 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 28 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 2 822 kg CO2 eq. |
| Carbon footprint of the end-of-life phase [C1 to C4] | 72 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

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|--------|----|
| Repair | No |
|--------|----|

Use Again



Repack and remanufacture

| | |
|---------------------------------|---|
| Recyclability potential, in % | 75 |
| End of life manual availability | End of Life Information |
| Removable battery | Yes |
| Take-back | No |