

Product datasheet

Specifications



EasyPact EVS 800A 65KA 3P MDO Trip System5.0A Circuit breaker

EVS08H3MW5A

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 System5A |
| Trip unit technology | Electronic |
| Trip unit rating | 800 A |

Complementary

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| 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 | 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 |

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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 | 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

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

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|-------------------------|-----------------------------|
| 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

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| 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

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| 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

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|--|---|
| 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 | Product Environmental Profile |

Use Better



Materials and Substances

| | |
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| 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 |
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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 |