

# Product datasheet

Specifications



## circuit breaker, EasyPact CVS, 800A, 70kA, 3P3D, 415V AC

E080H320FM

### Main

Range	EasyPact
Range of product	EasyPact CVS
Product or component type	Circuit breaker
Device short name	CVS800H
Device application	Low voltage electrical distribution
Poles description	3P
Protected poles description	3D

### Complementary

[Ue] rated operational voltage	440 V AC 50/60 Hz
[In] rated current	800 A at 50 °C
Network type	AC
Network frequency	50/60 Hz
[Ui] rated insulation voltage	800 V AC conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-3
Power dissipation	15 W
Protection type	L : for overload protection (long time) I : for instantaneous short-circuit protection
Breaking capacity code	H 70 kA 415 V AC
Local signalling	4 LEDs (red) for fault indication 1 LED (yellow) for overload
Auxiliary contact composition	1 NO/NC
Earth-leakage protection	Without
Control type	Rotary handle Toggle
Breaking capacity	80 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 60 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
Utilisation category	Category A
[Ics] rated service breaking capacity	80 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 70 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 60 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	5000 cycles
Electrical durability	3000 cycles at 415 V In 2000 cycles at 440 V In

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

<b>Suitability for isolation</b>	Yes conforming to EN/IEC 60947-2
<b>Connection pitch</b>	70 mm
<b>Mounting mode</b>	Fixed
<b>Mounting support</b>	Backplate
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<b>Trip unit name</b>	ETS 2.0
<b>Trip unit technology</b>	Electronic
<b>Trip unit protection functions</b>	LI
<b>Trip unit rating</b>	800 A at 50 °C
<b>Long time pick-up adjustment type I<sub>r</sub></b>	Adjustable
<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>[tr] long-time delay adjustment range</b>	12.5...600 s at 1.5 x I <sub>r</sub> 0.5...24 s at 6 x I <sub>r</sub> 0.7...16.6 s at 7.2 x I <sub>r</sub>
<b>Thermal memory</b>	20 mn
<b>Instantaneous pick-up adjustment type II</b>	Adjustable
<b>Instantaneous pick-up adjustment range</b>	1.5...10 x I <sub>r</sub>
<b>Zone selective interlocking ZSI</b>	Without
<b>Net weight</b>	14 kg

## Environment

<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to IEC 62262
<b>Relative humidity</b>	0...95 %
<b>Operating altitude</b>	0...2000 m without derating 2000...5000 m with derating
<b>Height</b>	327 mm
<b>Width</b>	210 mm
<b>Depth</b>	147 mm
<b>Standards</b>	EN/IEC 60947-2
<b>Product certifications</b>	CCC CB CE
<b>Pollution degree</b>	3 conforming to IEC 60664-1
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-50...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	29.900 cm

<b>Package 1 Width</b>	39.900 cm
<b>Package 1 Length</b>	59.900 cm
<b>Package 1 Weight</b>	13.783 kg
<b>Unit Type of Package 2</b>	P12
<b>Number of Units in Package 2</b>	6
<b>Package 2 Height</b>	74.000 cm
<b>Package 2 Width</b>	80.000 cm
<b>Package 2 Length</b>	120.000 cm
<b>Package 2 Weight</b>	93.000 kg

## **Contractual warranty**

<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 1 538 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

SCIP Number 5d7e450e-2eaa-45de-99ac-d38bde683aaf

EU RoHS Directive [Compliant By Exemption](#)

REACH Regulation [Reference contains Substances of Very High Concern above the threshold](#)

## Use Longer

### Lifetime extension

Repair No

## Use Again

### Repack and remanufacture

Recyclability potential, in % 85

End of life manual availability [End of Life Information](#)

Take-back No

WEEE Label The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Technical Illustration

Assembly's dimensions

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