

# Product datasheet

Specifications



## circuit breaker, EasyPact CVS, 1000A, 50kA, 4P4D, 415V AC

E100N420FM

### Main

Range	EasyPact
Range of product	EasyPact CVS
Product or component type	Circuit breaker
Device short name	CVS1000N
Device application	Low voltage electrical distribution
Poles description	4P
Protected poles description	4D
Neutral position	Left
Neutral protection setting	No protection (3D) 0.5 x I <sub>r</sub> (3D + N/2) 1 x I <sub>r</sub> (4D)

### Complementary

[U <sub>e</sub> ] rated operational voltage	440 V AC 50/60 Hz
[I <sub>n</sub> ] rated current	1000 A at 50 °C
Network type	AC
Network frequency	50/60 Hz
[U <sub>i</sub> ] rated insulation voltage	800 V AC conforming to IEC 60947-2
[U <sub>imp</sub> ] 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	N 50 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	70 kA I <sub>cu</sub> at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA I <sub>cu</sub> at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 45 kA I <sub>cu</sub> at 440 V AC 50/60 Hz conforming to IEC 60947-2
Utilisation category	Category A
[I <sub>cs</sub> ] rated service breaking capacity	70 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 45 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

<b>Mechanical durability</b>	5000 cycles
<b>Electrical durability</b>	3000 cycles at 415 V In 2000 cycles at 440 V In
<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>	1000 A at 50 °C
<b>Long time pick-up adjustment type Ir</b>	Adjustable
<b>Long time pick-up adjustment range</b>	0.4...1 x In
<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 Ir 0.5...24 s at 6 x Ir 0.7...16.6 s at 7.2 x Ir
<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 Ir
<b>Zone selective interlocking ZSI</b>	Without
<b>Product weight</b>	18 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>	280 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>	30.000 cm
<b>Package 1 Width</b>	40.000 cm
<b>Package 1 Length</b>	60.000 cm
<b>Package 1 Weight</b>	18.400 kg
<b>Unit Type of Package 2</b>	P12
<b>Number of Units in Package 2</b>	8
<b>Package 2 Height</b>	90.000 cm
<b>Package 2 Width</b>	80.000 cm
<b>Package 2 Length</b>	120.000 cm
<b>Package 2 Weight</b>	147.100 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	3 744 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	90 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	3 630 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	22 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

### 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	<a href="#">Compliant By Exemption</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>

### Use Longer



### Lifetime extension

Repair	No
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### Use Again



### Repack and remanufacture

Recyclability potential, in %	88
End of life manual availability	<a href="#">End of Life Information</a>
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

## Offer Marketing Illustration

### Product benefits / Features

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Technical Illustration

Assembly's dimensions

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