

Product datasheet

Specifications



circuit breaker, EasyPact
CVS100N, 50kA at 415VAC, ETS
2.2, 100A, 4P

LV510585

Main

Range	EasyPact
Range of product	EasyPact CVS100...250
Product name	EasyPact CVS
Device short name	CVS100N
Product or component type	Circuit breaker
Device application	Distribution
Poles description	4P
Protected poles description	3D 3D + N/2 4D
Earth leakage protection (Vigi add on)	Without
[In] rated current	100 A at 40 °C
Network type	AC
Utilisation category	Category A
[Icu] Breaking capacity	40 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 80 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit name	ETS 2.2
Trip unit technology	Electronic
Protection type	Short time short-circuit protection with fixed delay Overload protection (long time) Instantaneous short-circuit protection

Complementary

[Uimp] rated impulse withstand voltage	8 kV conforming to EN/IEC 60947-2
Network frequency	50/60 Hz
Breaking capacity code	N
[Ics] rated service breaking capacity	30 kA at 440 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 80 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
Neutral position	Left
Mechanical durability	30000 cycles
Electrical durability	12000 cycles 415 V In conforming to IEC 60947-2
Control type	Toggle
Neutral protection setting	No protection (3D)

Long time pick-up adjustment type Ir	Adjustable 9 settings
Long time pick-up adjustment range	40...100 A
Long time delay adjustment type	Fixed
[tr] long-time delay adjustment range	11 s at 7.2 x Ir 16 s at 6 x Ir 400 s at 1.5 x Ir
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	Fixed
[tsd] short-time delay adjustment range	0.02 s
Instantaneous pick-up adjustment type Ii	Fixed
Instantaneous pick-up adjustment range	1500 A
Contact position indicator	Yes
Mounting support	Backplate
Mounting mode	Fixed
Upside connection	Front
Downside connection	Front
Connections - terminals	Screw connection
Connection pitch	35 mm
Compatibility code	CVS100
Width	140 mm
Depth	86 mm
Height	161 mm
Net weight	2.81 kg

Environment

Standards	IEC 60947-2 EN 60947-2
Product certifications	CCC CB
Electrical shock protection class	Class II
Pollution degree	3 conforming to IEC 60664-1
IP degree of protection	IP40
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14 cm
Package 1 Width	15 cm
Package 1 Length	19 cm

Package 1 Weight	2.6 kg
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	15.6 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

Mercury Free

RoHS Exemption Information Yes

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu RoHS Directive Compliant with Exemptions

China RoHS Regulation [China RoHS declaration](#)
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure [Product Environmental Profile](#)

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

Circularity Profile No need of specific recycling operations
[Circularity Profile](#)

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Product benefits / Features



EasyPact CVS
Technical Benefits

- MCCB with adjustable setting, rated from 16 to 630A in 3 standard sizes
- Breaking capacity from 25 to 50kA at 400/415 V, 3 and 4 pole versions
- Vast range of protection options, thermal-magnetic, electronic and earth leakage
- Deliver a high level of performance and cost-saving functionality
- Coordinated with selectivity and cascading for ACBs, MCCBs, MCBs

Offer Marketing Illustration

Product benefits / Features



EasyPact CVS
Range Accessories

The image displays a collection of accessories for the EasyPact CVS range, arranged in a grid. Each item is accompanied by a small photograph and a text label. The accessories include:


- Cable connectors**: Three cylindrical components.
- Terminal extension - Spreader**: Three metal brackets with multiple terminals.
- Terminal extension**: A single vertical component.
- Cable connectors**: A vertical component with multiple terminals.
- Terminal shield**: A large, flat metal plate.
- Interphase barriers**: Two vertical metal plates.
- Direct rotary handle**: A component with a large, circular handle.
- Extended rotary handle**: A component with a long, thin handle.
- Earth leakage protection**: A component with a red indicator light.

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Product benefits / Features

EasyPact CVS

Moulded Case Circuit Breaker



Safe

Unlock unparalleled safety and control with our wire's unique ability to safely isolate and replace auxiliaries, even with an energized circuit breaker.

Reliable

It meets IEC 60947-2 standards for quality, high endurance, and fault current limitation technology, providing superior safety and protection.

Simple

Effortless retrofitting and seamless upgrades for enhanced flexibility and performance.