

# Product datasheet

Specifications



## Easypact CVS - CVS100B 6.2 100A circuit breaker - 4P

LV510619

### Main

Range	EasyPact
Product or component type	Circuit breaker
Device short name	CVS100B
Device application	Distribution

### Complementary

Poles description	4P
Protected poles description	4D 3D 3D + N/2
Neutral position	Left
Network type	AC
Network frequency	50/60 Hz
Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
[In] rated current	100 A at 40 °C
[Ui] rated insulation voltage	690 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to EN/IEC 60947-2
[Ue] rated operational voltage	440 V AC 50/60 Hz conforming to EN/IEC 60947-2
Breaking capacity code	B
Breaking capacity	70 kA Icu at 220/240 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 42 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] 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 32 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
Mechanical durability	30000 cycles

<b>Electrical durability</b>	12000 cycles 415 V In conforming to IEC 60947-2 30000 cycles 415 V In/2 conforming to IEC 60947-2
<b>Connection pitch</b>	35 mm
<b>Trip unit name</b>	ETS 6.2
<b>Trip unit technology</b>	Electronic
<b>Trip unit protection functions</b>	LSIG
<b>Trip unit rating</b>	100 A at 40 °C
<b>Protection type</b>	Overload protection (long time) Ground fault protection Instantaneous short-circuit protection Short time short-circuit protection
<b>Long time pick-up adjustment type Ir</b>	Adjustable
<b>Long time pick-up adjustment range</b>	40...100 A
<b>Long time delay adjustment type</b>	Adjustable
<b>[Tr] long-time delay adjustment range</b>	15...400 s at 1.5 x Ir 0.35...11 s at 7.2 x Ir 0.5...16 s at 6 x Ir
<b>Thermal memory</b>	20 minutes before and after tripping
<b>Short-time pick-up adjustment type I<sub>sd</sub></b>	Adjustable
<b>[I<sub>sd</sub>] short-time pick-up adjustment range</b>	1.5...10 x Ir
<b>Short-time delay adjustment type</b>	Adjustable
<b>[T<sub>sd</sub>] short-time delay pick-up</b>	0...0.4 s
<b>Instantaneous pick-up adjustment type I<sub>i</sub></b>	Adjustable
<b>Instantaneous pick-up</b>	1.5...15 x In Easycompact CVS100
<b>Ground-fault pick-up adjustment type</b>	Adjustable
<b>Ground-fault time delay adjustment type -tg</b>	Adjustable
<b>[T<sub>g</sub>] ground-fault time delay adjustment range</b>	0...0.4 s
<b>[I<sub>g</sub>] ground-fault pick-up adjustment range</b>	20...100 A
<b>Zone selective interlocking ZSI</b>	Without
<b>Display type</b>	LCD display
<b>Electrical shock protection class</b>	Class II
<b>Electrical data recording</b>	Maintenance indicators
<b>Height</b>	161 mm
<b>Width</b>	140 mm
<b>Depth</b>	86 mm
<b>Environment</b>	
<b>Standards</b>	IEC 60947-2 EN 60947-2
<b>Product certifications</b>	CB
<b>IP degree of protection</b>	IP40 conforming to IEC 60529

<b>IK degree of protection</b>	IK07 conforming to IEC 62262
<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
<b>Net weight</b>	2.05 kg

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	15.0 cm
<b>Package 1 Width</b>	18.0 cm
<b>Package 1 Length</b>	25.0 cm
<b>Package 1 Weight</b>	2.5 kg

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>RoHS exemption information</b>	Yes
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>

## Recommended replacement(s)