



### Main

Range	EasyPact
Product or component type	Circuit breaker
Device short name	CVS100N
Device application	Distribution

### Complementary

Poles description	3P
Protected poles description	3D
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	N
Breaking capacity	50 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 90 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	38 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 90 KA at 220/240 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
Electrical durability	12000 Cycles 415 V In conforming to IEC 60947-2 30000 cycles 415 V In/2 conforming to IEC 60947-2
Connection pitch	35 mm
Trip unit name	ETS 6.2
Trip unit technology	Electronic
Trip unit protection functions	LSIG
Trip unit rating	100 A at 40 °C
Protection type	Short time short-circuit protection Ground fault protection Overload protection (long time) Instantaneous short-circuit protection
Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	40...100 A

Long time delay adjustment type	Adjustable
[tr] long-time delay adjustment range	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
Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type Isd	Adjustable
[Isd] short-time pick-up adjustment range	1.5...10 x Ir
Short-time delay adjustment type	Adjustable
[tsd] short-time delay pick-up	0...0.4 s
Instantaneous pick-up adjustment type li	Adjustable
Instantaneous pick-up	1.5...15 x In Easypact CVS100
Ground-fault pick-up adjustment type	Adjustable
Ground-fault time delay adjustment type -tg	Adjustable
[tg] ground-fault time delay adjustment range	0...0.4 s
[lg] ground-fault pick-up adjustment range	20...100 A
Zone selective interlocking ZSI	Without
Display type	LCD display
Electrical shock protection class	Class II
Electrical data recording	Maintenance indicators
Height	161 mm
Width	105 mm
Depth	88 mm

## Environment

Standards	EN 60947-2 IEC 60947-2
Product certifications	CB
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Pollution degree	3 conforming to IEC 60664-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C
Net weight	2.05 kg

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.0 cm
Package 1 Width	19.0 cm
Package 1 Length	18.0 cm
Package 1 Weight	1.8 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>