

Product datasheet

Specifications



circuit breaker, EasyPacT CVS,
CVS100BS with TMD trip unit, 50A,
4P 3D

LV510858

ⓘ Discontinued

Main

Product or component type	Circuit breaker
Device short name	CVS100BS
Device application	Distribution
Poles description	4P
Protected poles description	3D
Neutral position	Left
Earth leakage protection (Vigi add on)	Without
[In] rated current	50 A at 40 °C
Breaking capacity code	BS
Network type	AC
[Ue] rated operational voltage	440 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Icu] Breaking capacity	50 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 380/415 V 20 kA at 440 V
Utilisation category	Category A
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit rating	50 A at 40 °C
Protection type	Overload protection (thermal)

Complementary

Network frequency	50/60 Hz
Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
[Ui] rated insulation voltage	690 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-2
[Ics] rated service breaking capacity	17 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	13000 cycles

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

Electrical durability	4000 cycles 415 V AC 50/60 Hz In conforming to IEC 60947-2 8000 cycles In/2
Long time pick-up adjustment type Ir	Fixed
Long time delay adjustment type	Fixed
Height	130 mm
Width	100 mm
Depth	60 mm
Net weight	1 kg

Environment

Standards	EN 60947-2
Pollution degree	3 conforming to IEC 60947-1

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	10.5 cm
Package 1 Length	14.2 cm
Package 1 Weight	1.100 kg
Unit Type of Package 2	CAR
Number of Units in Package 2	18
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	19.8 kg
Unit Type of Package 3	PAL
Number of Units in Package 3	216
Package 3 Height	104.0 cm
Package 3 Width	60.0 cm
Package 3 Length	80.0 cm
Package 3 Weight	244.8 kg



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	463 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	7 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 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]	454 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	2 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant
REACH Regulation	Free of Substances of Very High Concern above the threshold

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	51
End of life manual availability	No need of specific recycling operations
Take-back	No