Product datasheet

Specifications

circuit breaker, EasyPact CVS, 1250A, 50kA, 3P3D, 415V AC

E125N320FM

Main

Range	EasyPact
Range of product	EasyPact CVS
Product or component type	Circuit breaker
Device short name	CVS1250N
Device application	Low voltage electrical distribution
Poles description	3P
Protected poles description	3D

Complementary

[Ue] rated operational voltage	440 V AC 50/60 Hz
[In] rated current	1250 A at 50 °C
Network type	AC
Network frequency	50/60 Hz
[Ui] rated insulation voltage	800 V AC conforming to IEC 60947-2
[Uimp] 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 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 45 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
Utilisation category	Category A
[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 45 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	5000 cycles
Electrical durability	3000 cycles at 415 V In 2000 cycles at 440 V In

Suitability for isolation	Yes conforming to EN/IEC 60947-2
Connection pitch	70 mm
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Trip unit name	ETS 2.0
Trip unit technology	Electronic
Trip unit protection functions	LI
Trip unit rating	1250 A at 50 °C
Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	0.4...1 x In
Long time delay adjustment type	Adjustable 9 settings
[tr] long-time delay adjustment range	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
Thermal memory	20 mn
Instantaneous pick-up adjustment type Ii	Adjustable
Instantaneous pick-up adjustment range	1.5...10 x Ir
Zone selective interlocking ZSI	Without
Net weight	14 kg

Environment

IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Relative humidity	0…95 %
Operating altitude	0...2000 m without derating 2000...5000 m with derating
Height	327 mm
Width	210 mm
Depth	147 mm
Standards	EN/IEC 60947-2
Product certifications	CCC CB CE
Pollution degree	3 conforming to IEC 60664-1
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	30 cm

Package 1 Width	40 cm
Package 1 Length	60 cm
Package 1 Weight	16 kg
Unit Type of Package 2	P12
Number of Units in Package 2	8
Package 2 Height	105 cm
Package 2 Width	80 cm
Package 2 Length	120 cm
Package 2 Weight	140.5 kg

Contractual warranty

Warranty (in months)	18

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	**3 558 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**80 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**3 457 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**20 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

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	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**88**
End of life manual availability	End of Life Information
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

Technical Illustration

Assembly's dimensions