Product datasheet

Specifications

Easypact CVS - CVS100F 6.2 100A circuit breaker - 4P

LV510639

Main

Range	EasyPact
Product Or Component Type	Circuit breaker
Device Short Name	CVS100F
Device Application	Distribution

Complementary

Poles Description	4P
Protected Poles Description	3D + N/2 4D 3D
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	F
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
Electrical Durability	12000 cycles 415 V In conforming to IEC 60947-2 30000 cycles 415 V In/2 conforming to IEC 60947-2

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

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	Ground fault protection Short time short-circuit 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 Ii	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
[Ig] 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	140 mm
Depth	86 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	15.0 cm
Package 1 Width	18.0 cm
Package 1 Length	25.0 cm
Package 1 Weight	2.5 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-CO_2 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

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
Circularity Profile	No need of specific recycling operations