

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 |
| 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 | Overload protection (long time) Ground fault protection Instantaneous short-circuit protection Short time short-circuit protection |
| Long time pick-up adjustment type I _r | Adjustable |
| Long time pick-up adjustment range | 40...100 A |
| Long time delay adjustment type | Adjustable |
| [I _{tr}] long-time delay adjustment range | 15...400 s at 1.5 x I _r 0.35...11 s at 7.2 x I _r 0.5...16 s at 6 x I _r |
| Thermal memory | 20 minutes before and after tripping |
| Short-time pick-up adjustment type I _{sd} | Adjustable |
| [I _{sd}] short-time pick-up adjustment range | 1.5...10 x I _r |
| Short-time delay adjustment type | Adjustable |
| [I _{tsd}] short-time delay pick-up | 0...0.4 s |
| Instantaneous pick-up adjustment type I _i | Adjustable |
| instantaneous pick-up | 1.5...15 x I _n Easypact CVS100 |
| Ground-fault pick-up adjustment type | Adjustable |
| Ground-fault time delay adjustment type -t _g | Adjustable |
| [t _g] ground-fault time delay adjustment range | 0...0.4 s |
| [I _g] 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 | IEC 60947-2 EN 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 | 14 cm |
|------------------|-------|

| | |
|-----------------|-------|
| Package 1 Width | 15 cm |
|-----------------|-------|

| | |
|------------------|-------|
| Package 1 Length | 19 cm |
|------------------|-------|

| | |
|------------------|--------|
| Package 1 Weight | 2.6 kg |
|------------------|--------|

| | |
|------------------------|-----|
| Unit Type of Package 2 | S03 |
|------------------------|-----|

| | |
|------------------------------|---|
| Number of Units in Package 2 | 6 |
|------------------------------|---|

| | |
|------------------|-------|
| Package 2 Height | 30 cm |
|------------------|-------|

| | |
|-----------------|-------|
| Package 2 Width | 30 cm |
|-----------------|-------|

| | |
|------------------|-------|
| Package 2 Length | 40 cm |
|------------------|-------|

| | |
|------------------|---------|
| Package 2 Weight | 15.6 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-CO₂ 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

Mercury Free

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
[Circularity Profile](#)