

Product datasheet

Specifications



circuit breaker EasyPact
CVS100B, 25 kA at 415 VAC, 80 A
rating thermal magnetic TM-D trip
unit, 3P 3d

LV510306

Main

| | |
|--|--|
| Range | EasyPact |
| Range of product | EasyPact CVS100...250 |
| Product name | EasyPact CVS |
| Device short name | CVS100B |
| product or component type | Circuit breaker |
| Device application | Distribution |
| poles description | 3P |
| Protected poles description | 3D |
| Earth leakage protection (Vigi add on) | Without |
| [In] rated current | 80 A at 40 °C |
| Network type | AC |
| Utilisation category | Category A |
| [Icu] Breaking capacity | 40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Trip unit name | TM-D |
| Trip unit technology | Thermal-magnetic |
| Trip unit rating | 80 A at 40 °C |
| Protection type | Overload protection (thermal) Short-circuit protection (magnetic) |

Complementary

| | |
|--|--|
| [Uimp] rated impulse withstand voltage | 8 kV conforming to EN/IEC 60947-2 |
| Network frequency | 50/60 Hz |
| Breaking capacity code | B |
| [Ics] rated service breaking capacity | 15 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 40 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| Mechanical durability | 30000 cycles |
| Electrical durability | 12000 cycles 415 V In conforming to IEC 60947-2 |
| Control type | Toggle |
| Thermal protection adjustment range | 56...80 A |
| Long time pick-up adjustment type Ir | Adjustable |

| | |
|--|------------------|
| Long time pick-up adjustment range | 0.7...1 x In |
| Long time delay adjustment type | Fixed |
| Instantaneous pick-up adjustment type II | Fixed |
| instantaneous pick-up adjustment range | 640 A |
| Contact position indicator | Yes |
| mounting support | Backplate |
| mounting mode | Fixed |
| Upside connection | Front |
| downside connection | Front |
| Connections - terminals | Screw connection |
| Connection pitch | 35 mm |
| Compatibility code | CVS100 |
| Width | 105 mm |
| Depth | 86 mm |
| Height | 161 mm |
| net weight | 1.5 kg |

Environment

| | |
|---------------------------------------|-----------------------------|
| Standards | EN 60947-2 IEC 60947-2 |
| Product certifications | IEC GOST |
| Electrical shock protection class | Class II |
| Pollution degree | 3 conforming to IEC 60664-1 |
| IP degree of protection | IP40 |
| 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 | 13.600 cm |
| Package 1 Width | 11.400 cm |
| Package 1 Length | 19.000 cm |
| Package 1 Weight | 1.672 kg |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 30.000 cm |
| Package 2 Width | 40.000 cm |
| Package 2 Length | 60.000 cm |
| Package 2 Weight | 20.824 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

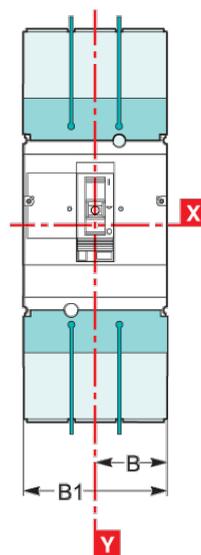
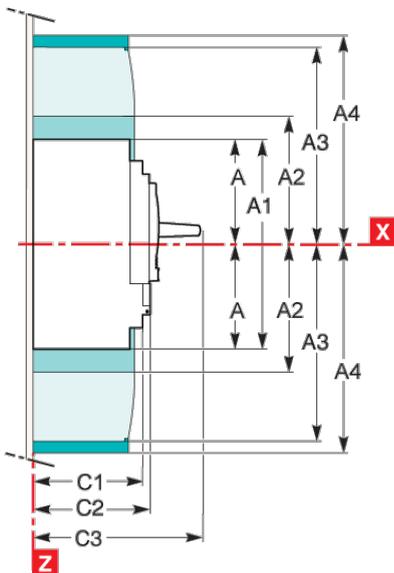
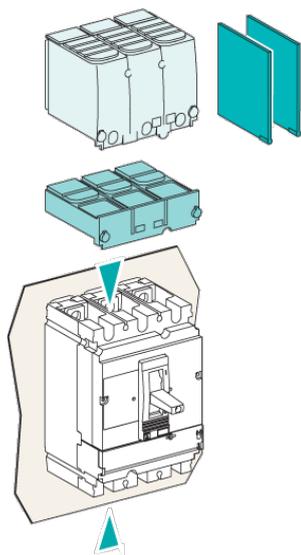
China RoHS Regulation [China RoHS declaration](#)
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile No need of specific recycling operations

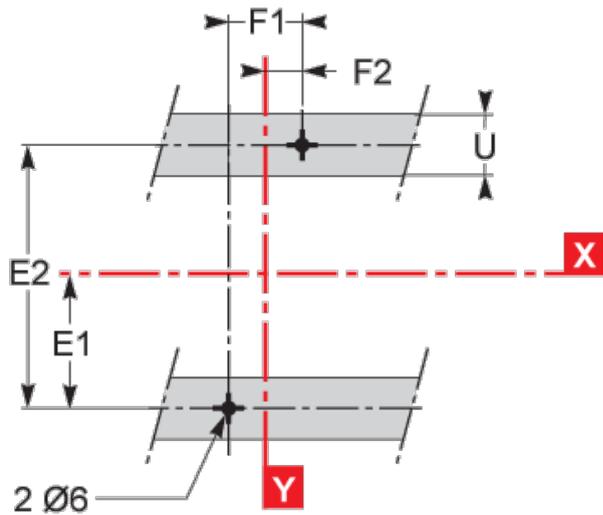
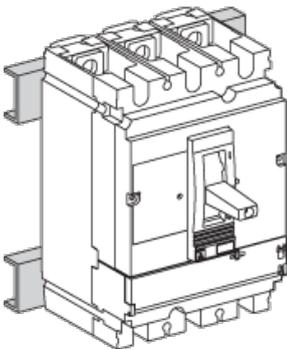
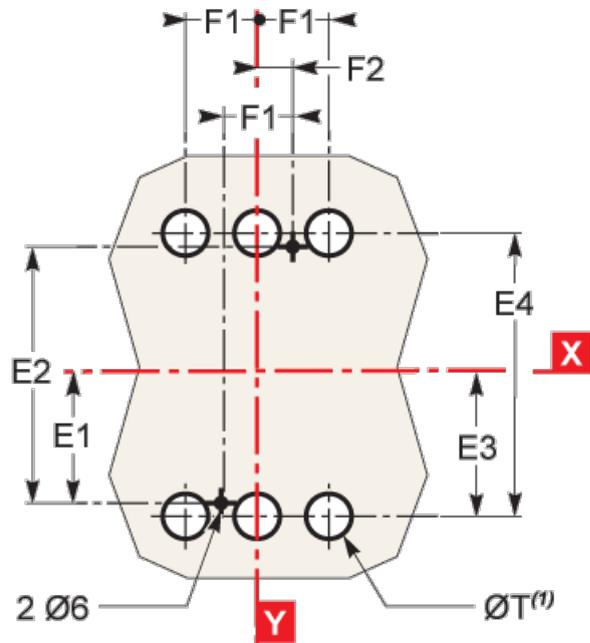
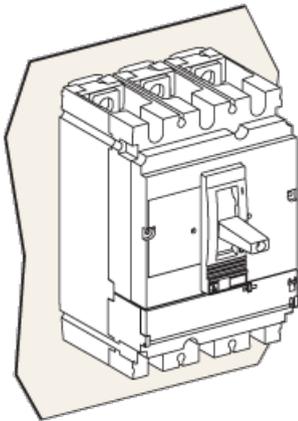
Dimensions Drawings



| Type | A | A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | B | B1 | B2 | C1 | C2 | C3 | E1 |
|---------------|-------|-------|-------|-------|-------|-------|-----|-------|------|-------|------|-----|------|------|------|------------------|------|
| CMS100H60/250 | 80.5 | 161 | 64 | 146 | 170.5 | 155.5 | 236 | 169 | 226 | 353.5 | 52.5 | 165 | 140 | 81 | 86 | 111 ^Ø | 62.5 |
| CMS400/630 | 127.5 | 255 | 142.5 | 200 | 237 | 227.5 | 355 | 242.5 | 300 | 337 | 70 | 140 | 186 | 95.5 | 110 | 169 | 100 |
| Type | E2 | E3 | E4 | E5 | E6 | E7 | E8 | F1 | F2 | F3 | G1 | G2 | G3 | G4 | G5 | ØT | U |
| CMS100H60/250 | 125 | 70 | 140 | 137.5 | 200 | 145 | 215 | 35 | 17.5 | 70 | 85 | 75 | 13.5 | 23 | 17.5 | 24 | y32 |
| CMS400/630 | 200 | 113.5 | 227 | 200 | 300 | 213.5 | 327 | 45 | 22.5 | 80 | - | - | - | - | 32 | y35 | |

Ø T3-126mm for EasyPost CMS250MF

Assembly



| Type | A | A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | B | B1 | B2 | C1 | C2 | C3 | E1 |
|----------------|-------|-------|-------|-------|-------|-------|-----|-------|------|-------|------|-----|------|------|------|--------------------|------|
| CMS100H160/250 | 80.5 | 161 | 64 | 140 | 170.5 | 155.5 | 226 | 109 | 220 | 253.5 | 52.5 | 105 | 140 | 81 | 86 | 111 ⁽¹⁾ | 82.5 |
| CMS400/630 | 127.5 | 255 | 142.5 | 200 | 287 | 277.5 | 355 | 242.5 | 300 | 337 | 70 | 140 | 185 | 95.5 | 110 | 168 | 100 |
| Type | E2 | E3 | E4 | E5 | E6 | E7 | E8 | F1 | F2 | F3 | G1 | G2 | G3 | G4 | G5 | ØT | U |
| CMS100H160/250 | 125 | 70 | 140 | 137.5 | 200 | 145 | 215 | 95 | 17.5 | 70 | 55 | 75 | 13.5 | 33 | 17.5 | 34 | y32 |
| CMS400/630 | 200 | 113.5 | 227 | 200 | 300 | 213.5 | 327 | 45 | 22.5 | 90 | - | - | - | - | 32 | y35 | |

⁽¹⁾ C3-126mm for EasyRest CYS2500/F.

Performance Curves

