

# Product datasheet

Specifications



## EasyPact CVS - CVS100B MA2.5 circuit breaker - 3P/3d

LV510430

⚠ Discontinued on: 27 Mar 2023

⚠ Discontinued

### 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                     | Motor                                                                                                                                                                                    |
| Poles description                      | 3P                                                                                                                                                                                       |
| Protected poles description            | 3D                                                                                                                                                                                       |
| Earth leakage protection (Vigi add on) | Without                                                                                                                                                                                  |
| [In] rated current                     | 2.5 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<br>25 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>20 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Trip unit name                         | MA                                                                                                                                                                                       |
| Trip unit technology                   | Magnetic                                                                                                                                                                                 |
| Trip unit rating                       | 2.5 A at 40 °C                                                                                                                                                                           |
| Protection type                        | 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<br>25 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>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                                                                                                                                                                       |
| Short-time pick-up adjustment type Isd    | Adjustable                                                                                                                                                                   |
| [Isd] short-time pick-up adjustment range | 6...14 x In                                                                                                                                                                  |

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

|                                          |                  |
|------------------------------------------|------------------|
| Instantaneous pick-up adjustment type li | Adjustable       |
| Instantaneous pick-up adjustment range   | 6...14 x In      |
| 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           |
| Product weight                           | 1.8 kg           |

## Environment

|                                       |                             |
|---------------------------------------|-----------------------------|
| Standards                             | EN 60947-2<br>IEC 60947-2   |
| Product certifications                | GOST<br>IEC                 |
| 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             | 15.8 cm |
| Package 1 Width              | 9 cm    |
| Package 1 Length             | 10.2 cm |
| Package 1 Weight             | 2.3 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

Environmental Disclosure

[Product Environmental Profile](#)

## Use Better



### Materials and Substances

SCIP Number

49bf38c5-56a0-475d-90bd-a88ef3d2ace2

EU RoHS Directive

[Compliant By Exemption](#)

## Use Longer



### Lifetime extension

Repair

No

## Use Again



### Repack and remanufacture

End of life manual availability

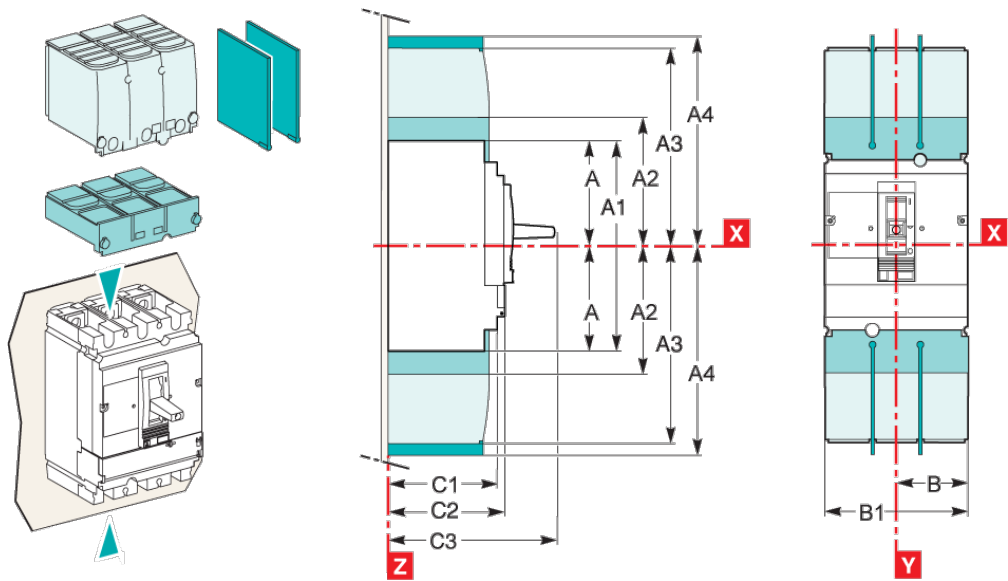
No need of specific recycling operations

WEEE Label



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

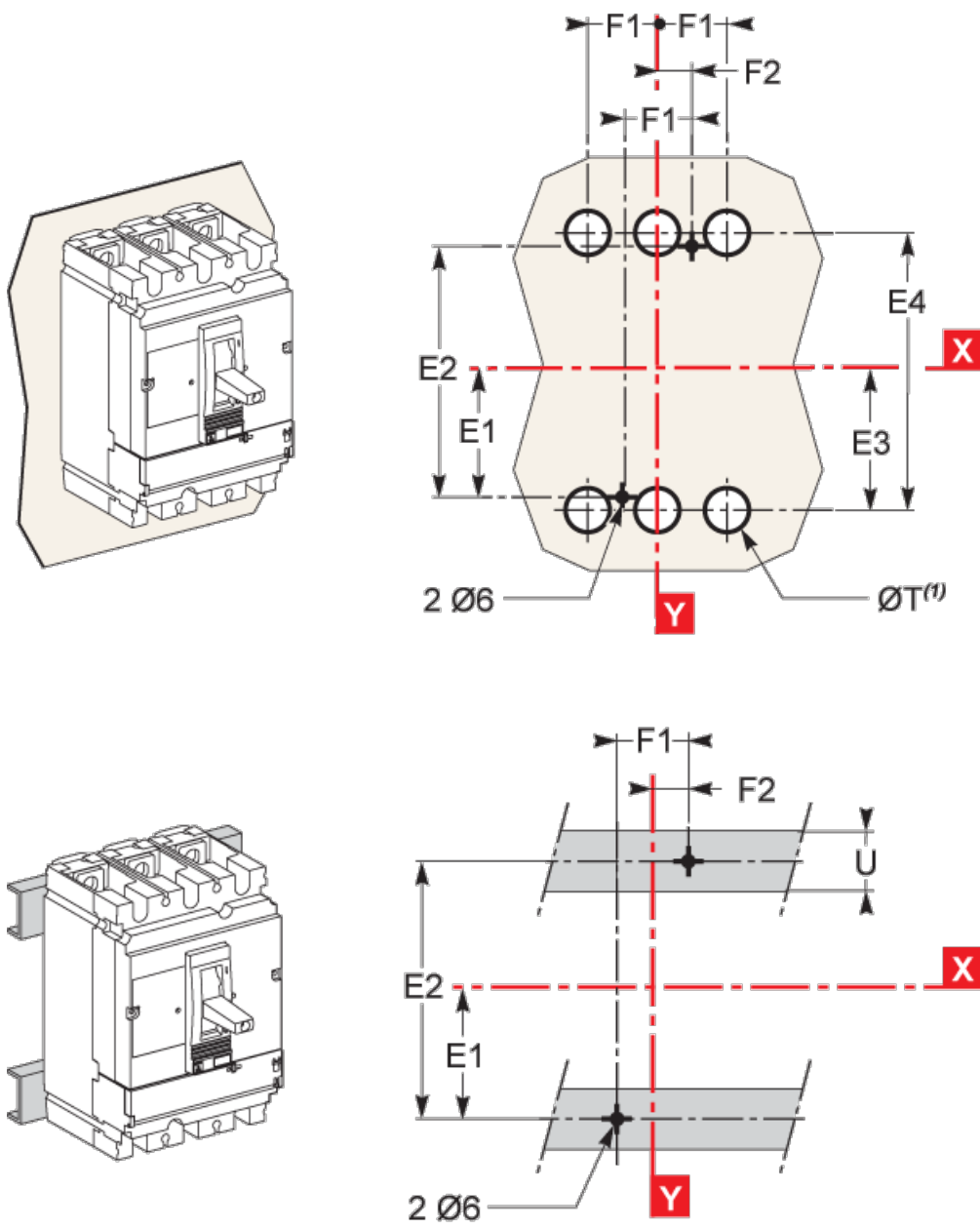
Dimensions Drawings



| Type           | A     | A1    | A2    | A3    | A4    | A5    | A6  | A7    | A8   | A9    | B    | B1  | B2   | C1   | C2   | C3                 | E1   |
|----------------|-------|-------|-------|-------|-------|-------|-----|-------|------|-------|------|-----|------|------|------|--------------------|------|
| CVS100/160/250 | 80.5  | 161   | 94    | 145   | 178.5 | 155.5 | 236 | 169   | 220  | 253.5 | 52.5 | 105 | 140  | 81   | 86   | 111 <sup>(2)</sup> | 62.5 |
| CVS400/630     | 127.5 | 255   | 142.5 | 200   | 237   | 227.5 | 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    |
| CVS100/160/250 | 125   | 70    | 140   | 137.5 | 200   | 145   | 215 | 35    | 17.5 | 70    | 95   | 75  | 13.5 | 23   | 17.5 | 24                 | y 32 |
| CVS400/630     | 200   | 113.5 | 227   | 200   | 300   | 213.5 | 327 | 45    | 22.5 | 90    | -    | -   | -    | -    | -    | 32                 | y 35 |

(2) C3=126mm for EasyPact CVS250B/F.

Assembly



| Type           | A     | A1    | A2    | A3    | A4    | A5    | A6  | A7    | A8   | A9    | B    | B1  | B2   | C1   | C2   | C3                 | E1   |
|----------------|-------|-------|-------|-------|-------|-------|-----|-------|------|-------|------|-----|------|------|------|--------------------|------|
| CVS100/160/250 | 80.5  | 161   | 94    | 145   | 178.5 | 155.5 | 236 | 169   | 220  | 253.5 | 52.5 | 105 | 140  | 81   | 86   | 111 <sup>(2)</sup> | 62.5 |
| CVS400/630     | 127.5 | 255   | 142.5 | 200   | 237   | 227.5 | 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    |
| CVS100/160/250 | 125   | 70    | 140   | 137.5 | 200   | 145   | 215 | 35    | 17.5 | 70    | 95   | 75  | 13.5 | 23   | 17.5 | 24                 | y 32 |
| CVS400/630     | 200   | 113.5 | 227   | 200   | 300   | 213.5 | 327 | 45    | 22.5 | 90    | -    | -   | -    | -    | -    | 32                 | y 35 |

(2) C3=126mm for EasyPact CVS250B/F.