

# Product datasheet

Specifications



circuit breaker EasyPact  
CVS400N. 50 kA at 415 VAC. 400  
A rating ETS 2.3 electronic trip  
unit. 3P 3d

LV540510

Price: 14,911.15 ZAR

## Main

|                                        |                                                                                                                                                                                          |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                  | EasyPact                                                                                                                                                                                 |
| Range Of Product                       | EasyPact CVS400...630                                                                                                                                                                    |
| Product Name                           | EasyPact CVS                                                                                                                                                                             |
| Device Short Name                      | CVS400N                                                                                                                                                                                  |
| 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                     | 400 A at 40 °C                                                                                                                                                                           |
| Network Type                           | AC                                                                                                                                                                                       |
| Utilisation Category                   | Category A                                                                                                                                                                               |
| [Icu] Breaking Capacity                | 70 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>42 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Trip Unit Name                         | ETS 2.3                                                                                                                                                                                  |
| Trip Unit Technology                   | Electronic                                                                                                                                                                               |
| Trip Unit Rating                       | 400 A at 40 °C                                                                                                                                                                           |
| Protection Type                        | Short time short-circuit protection<br>Overload protection (long time)<br>Instantaneous short-circuit protection                                                                         |

## Complementary

|                                        |                                                                                                                                                                              |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Uimp] Rated Impulse Withstand Voltage | 8 kV conforming to EN/IEC 60947-2                                                                                                                                            |
| Network Frequency                      | 50/60 Hz                                                                                                                                                                     |
| Breaking Capacity Code                 | N                                                                                                                                                                            |
| [Ics] Rated Service Breaking Capacity  | 70 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>32 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Mechanical Durability                  | 15000 cycles                                                                                                                                                                 |
| Electrical Durability                  | 6000 cycles 415 V In conforming to IEC 60947-2                                                                                                                               |
| Trip Unit Protection Functions         | LSol                                                                                                                                                                         |
| Control Type                           | Toggle                                                                                                                                                                       |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

|                                           |                                                         |
|-------------------------------------------|---------------------------------------------------------|
| Long Time Pick-Up Adjustment Type Ir      | Adjustable 9 settings                                   |
| Long Time Pick-Up Adjustment Range        | 160...400 A                                             |
| Long Time Delay Adjustment Type           | Fixed                                                   |
| [Tr] Long-Time Delay Adjustment Range     | 5.5 s at 7.2 x Ir<br>8 s at 6 x Ir<br>200 s at 1.5 x Ir |
| Thermal Memory                            | Yes                                                     |
| Short-Time Pick-Up Adjustment Type Isd    | Adjustable 9 settings                                   |
| [Isd] Short-Time Pick-Up Adjustment Range | 1.5...10 x Ir                                           |
| Short-Time Delay Adjustment Type          | Fixed                                                   |
| Instantaneous Pick-Up Adjustment Type Ii  | Fixed                                                   |
| Instantaneous Pick-Up Adjustment Range    | 11 x In                                                 |
| Contact Position Indicator                | Yes                                                     |
| Mounting Support                          | Backplate                                               |
| Mounting Mode                             | Fixed                                                   |
| Upside Connection                         | Front                                                   |
| Downside Connection                       | Front                                                   |
| Connections - Terminals                   | Screw connection                                        |
| Connection Pitch                          | 45 mm                                                   |
| Compatibility Code                        | CVS400                                                  |
| Width                                     | 140 mm                                                  |
| Depth                                     | 110 mm                                                  |
| Height                                    | 255 mm                                                  |
| Net Weight                                | 4.7 kg                                                  |

## Environment

|                                       |                             |
|---------------------------------------|-----------------------------|
| Standards                             | EN 60947-2<br>IEC 60947-2   |
| Product Certifications                | IEC<br>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             | 15.262 cm |
| Package 1 Width              | 15.794 cm |
| Package 1 Length             | 29.215 cm |

|                              |            |
|------------------------------|------------|
| Package 1 Weight             | 5.151 kg   |
| Unit Type Of Package 2       | CAR        |
| Number Of Units In Package 2 | 3          |
| Package 2 Height             | 23.0 cm    |
| Package 2 Width              | 38.3 cm    |
| Package 2 Length             | 50.8 cm    |
| Package 2 Weight             | 16.781 kg  |
| Unit Type Of Package 3       | PAL        |
| Number Of Units In Package 3 | 48         |
| Package 3 Height             | 90.0 cm    |
| Package 3 Width              | 80.0 cm    |
| Package 3 Length             | 120.0 cm   |
| Package 3 Weight             | 282840.0 g |

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<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency   RoHS/REACH

Well-being performance

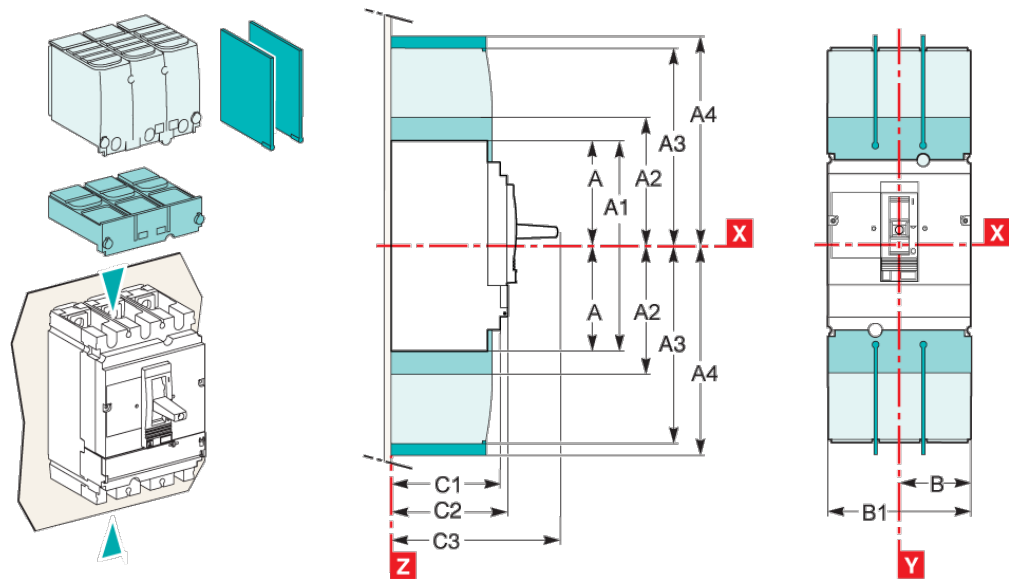
 Mercury Free

 RoHS Exemption Information   [Yes](#)

Certifications & Standards

|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                           |
| Eu Rohs Directive        | Compliant with Exemptions                                                                                                   |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                               |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                     |

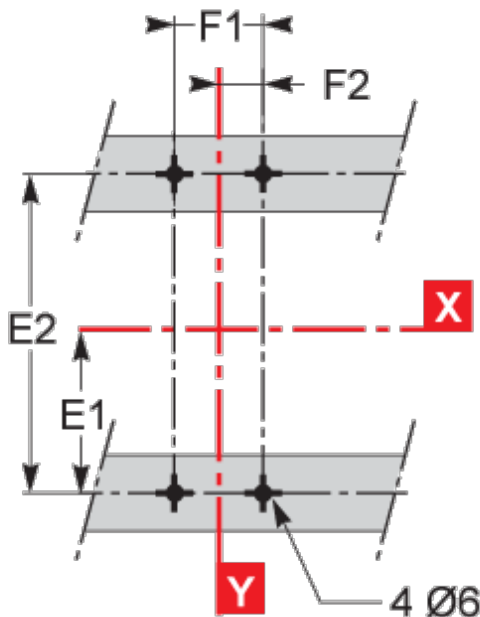
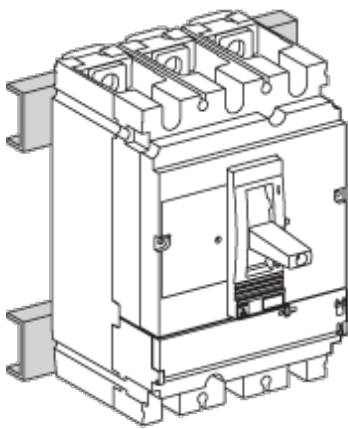
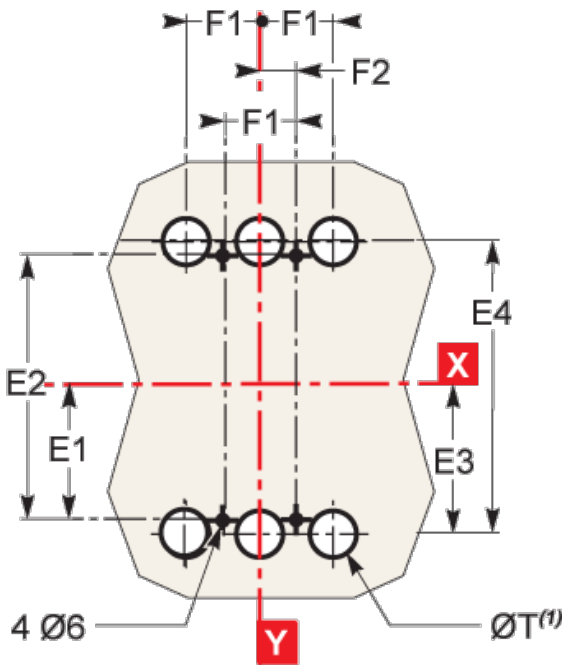
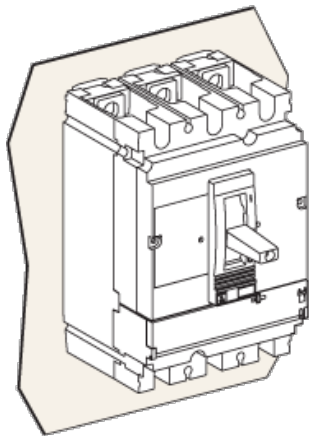
Dimensions Drawings



| Type           | A     | A1    | A2    | A3    | A4    | A5    | A6  | A7    | A8   | A9    | B    | B1  | B2   | C1   | C2   | C3                 | E1   |
|----------------|-------|-------|-------|-------|-------|-------|-----|-------|------|-------|------|-----|------|------|------|--------------------|------|
| CVS100/160/250 | 80.5  | 161   | 84    | 146   | 170.5 | 155.5 | 236 | 169   | 226  | 353.5 | 52.5 | 165 | 140  | 81   | 86   | 111 <sup>(*)</sup> | 62.5 |
| CVS400/630     | 127.5 | 255   | 142.5 | 200   | 287   | 227.5 | 355 | 242.5 | 300  | 337   | 70   | 140 | 185  | 95.5 | 110  | 169                | 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    | 55   | 75  | 13.5 | 23   | 17.5 | 24                 | y32  |
| CVS400/630     | 200   | 113.5 | 227   | 200   | 300   | 213.5 | 327 | 45    | 22.5 | 80    | -    | -   | -    | -    | -    | 32                 | y35  |

(\*) C3=126mm for EasyPost CVS250MF

Assembly



| Type          | A     | A1    | A2    | A3    | A4    | A5    | A6  | A7    | A8   | A9    | B    | B1  | B2   | C1   | C2   | C3                 | E1   |
|---------------|-------|-------|-------|-------|-------|-------|-----|-------|------|-------|------|-----|------|------|------|--------------------|------|
| CVS100M60/250 | 80.5  | 101   | 84    | 140   | 170.5 | 155.5 | 236 | 109   | 220  | 253.5 | 52.5 | 105 | 140  | 81   | 86   | 111 <sup>(*)</sup> | 82.5 |
| CVS400/630    | 127.5 | 255   | 142.5 | 200   | 287   | 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    |
| CVS100M60/250 | 125   | 70    | 140   | 137.5 | 200   | 145   | 215 | 35    | 17.5 | 70    | 95   | 72  | 13.5 | 23   | 17.5 | 24                 | y32  |
| CVS400/630    | 200   | 113.5 | 227   | 200   | 300   | 213.5 | 327 | 45    | 22.5 | 80    | -    | -   | -    | -    | -    | 32                 | y35  |

(\*) C3=126mm for EasyPact CVS2500.F.

Performance Curves

