

# Product datasheet

Specifications



circuit breaker EasyPact CVS160B,  
25 kA at 415 VAC, 160 A rating  
thermal magnetic TM-D trip unit, 3P  
3d

LV516303

## Main

|                                        |                                                                                                                                                                                          |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product                       | Easypact CVS100...250                                                                                                                                                                    |
| Product or component type              | Circuit breaker                                                                                                                                                                          |
| Device short name                      | CVS160B                                                                                                                                                                                  |
| Device application                     | Distribution                                                                                                                                                                             |
| Poles description                      | 3P                                                                                                                                                                                       |
| Protected poles description            | 3d                                                                                                                                                                                       |
| Earth leakage protection (Vigi add on) | Without                                                                                                                                                                                  |
| [In] rated current                     | 160 A at 40 °C                                                                                                                                                                           |
| Breaking capacity code                 | B                                                                                                                                                                                        |
| Network type                           | AC                                                                                                                                                                                       |
| [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 |
| Utilisation category                   | Category A                                                                                                                                                                               |
| Trip unit name                         | TM-D                                                                                                                                                                                     |
| Trip unit technology                   | Thermal-magnetic                                                                                                                                                                         |
| Trip unit rating                       | 160 A at 40 °C                                                                                                                                                                           |
| Protection type                        | Overload protection (thermal)<br>Short-circuit protection (magnetic)                                                                                                                     |

## Complementary

|                                        |                                   |
|----------------------------------------|-----------------------------------|
| Network frequency                      | 50/60 Hz                          |
| Control type                           | Toggle                            |
| Mounting mode                          | Fixed                             |
| Mounting support                       | Backplate                         |
| Upside connection                      | Front                             |
| Downside connection                    | Front                             |
| Connections - terminals                | Screw connection                  |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to EN/IEC 60947-2 |

|                                          |                                                                                                                                                                              |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Thermal protection adjustment range      | 112...160 A                                                                                                                                                                  |
| [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                    | 25000 cycles                                                                                                                                                                 |
| Electrical durability                    | 12000 cycles 415 V In conforming to IEC 60947-2                                                                                                                              |
| Connection pitch                         | 35 mm                                                                                                                                                                        |
| Contact position indicator               | Yes                                                                                                                                                                          |
| 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 li | Fixed                                                                                                                                                                        |
| Instantaneous pick-up adjustment range   | 1250 A                                                                                                                                                                       |
| Height                                   | 161 mm                                                                                                                                                                       |
| Width                                    | 105 mm                                                                                                                                                                       |
| Depth                                    | 86 mm                                                                                                                                                                        |
| Product weight                           | 1.8 kg                                                                                                                                                                       |

## Environment

|                                       |                             |
|---------------------------------------|-----------------------------|
| Electrical shock protection class     | Class II                    |
| Standards                             | IEC 60947-2<br>EN 60947-2   |
| Product certifications                | GOST<br>IEC                 |
| IP degree of protection               | IP40                        |
| Pollution degree                      | 3 conforming to IEC 60664-1 |
| Ambient air temperature for operation | -25...70 °C                 |
| Ambient air temperature for storage   | -50...85 °C                 |

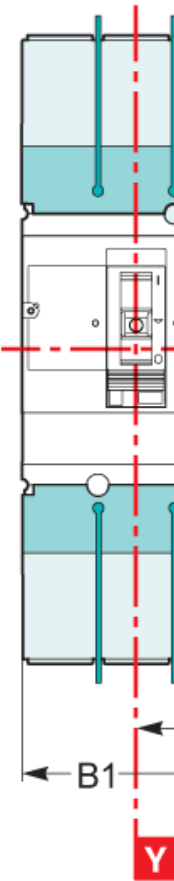
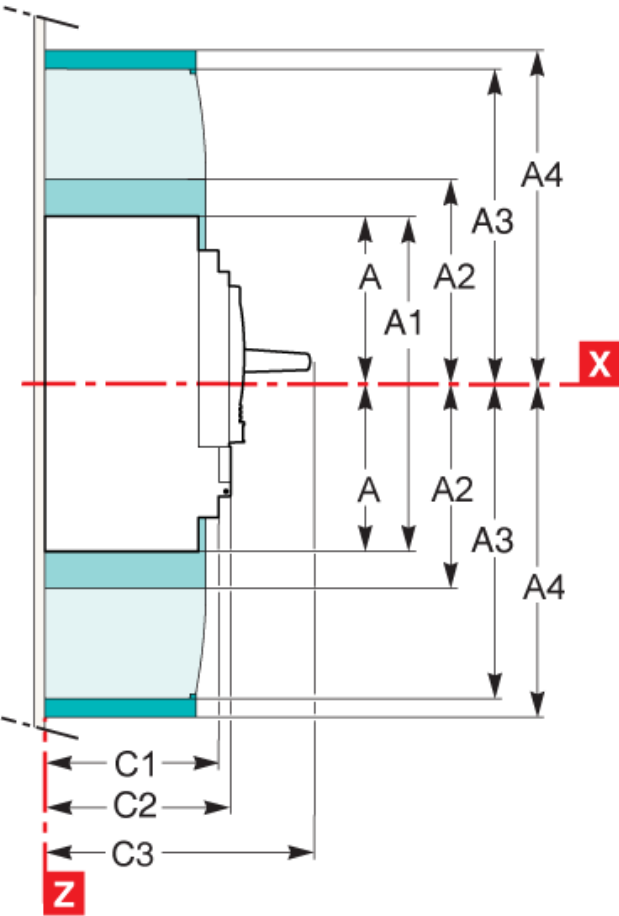
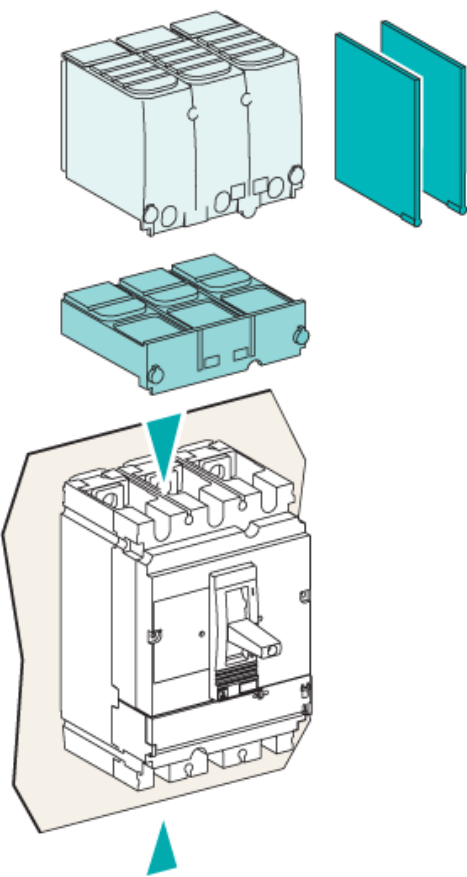
## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 1.722 kg |
| Package 1 Height             | 11 cm    |
| Package 1 width              | 14 cm    |
| Package 1 Length             | 19 cm    |

## Offer Sustainability

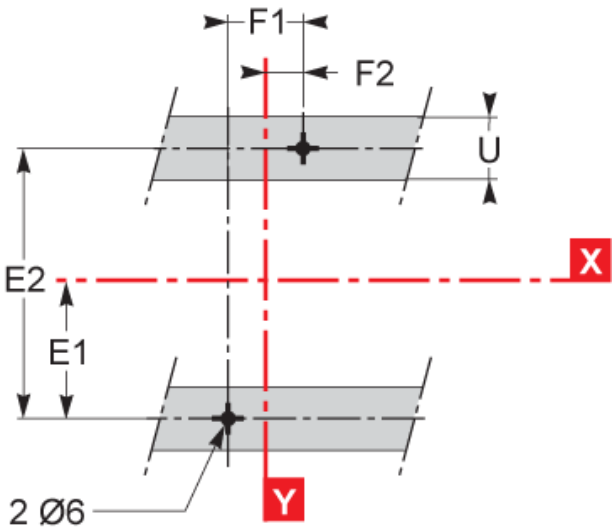
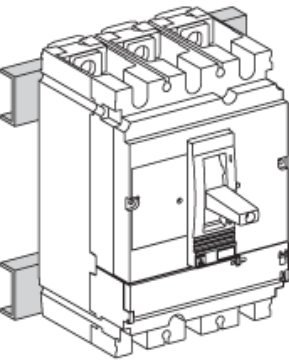
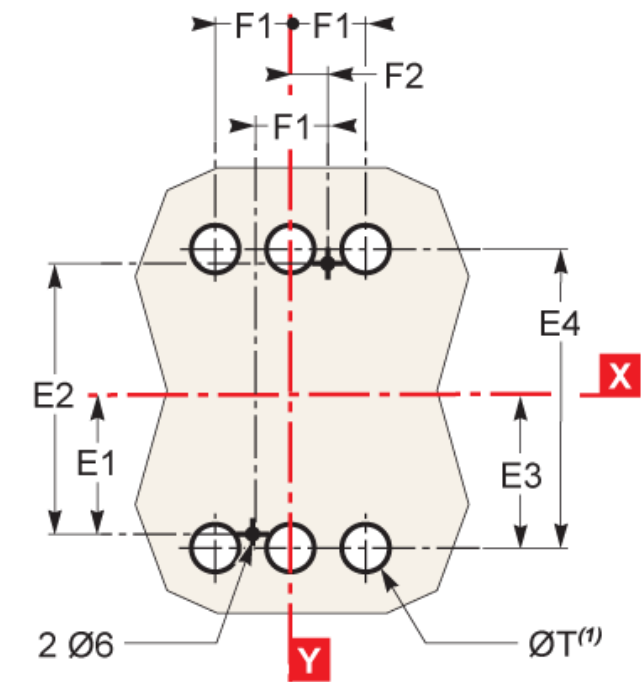
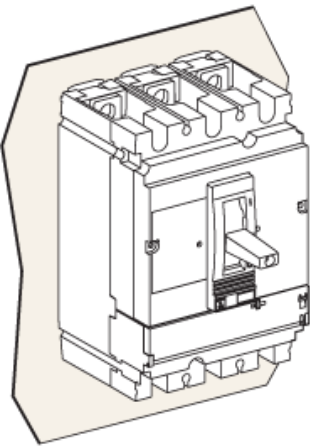
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|--------------------------|--------------------------------------------------|
| Sustainable offer status | Green Premium product                            |
| REACH Regulation         | <a href="#">REACH Declaration</a>                |
| EU RoHS Directive        | Compliant<br><a href="#">EU RoHS Declaration</a> |

|                             |                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Mercury free                | Yes                                                                                                                         |
| RoHS exemption information  | <a href="#">Yes</a>                                                                                                         |
| 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>                                                                               |
| Circularity Profile         | <a href="#">End of Life Information</a>                                                                                     |
| WEEE                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| <b>Contractual warranty</b> |                                                                                                                             |
| Warranty                    | 18 months                                                                                                                   |



| 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    | 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   | G7                 | 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.



| 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    | 96   | 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.

Performance Curves

