# Product data sheet
## Characteristics

# LV510477
circuit breaker EasyPact CVS100N, 50kA at 415VAC, 100A rating thermal magnetic TM-D trip unit, 3P 3d



## Main

| | |
|---|---|
| Range | EasyPact |
| Range of product | EasyPact CVS100...250 |
| Product name | EasyPact CVS |
| Device short name | CVS100N |
| Product or component type | Circuit breaker |
| Device application | Distribution |
| Poles description | 3P |
| Protected poles description | 3D |
| Earth-leakage protection | Without |
| [In] rated current | 100 A at 40 °C |
| Network type | AC |
| Utilisation category | Category A |
| Breaking capacity | 50 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>40 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>80 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| Trip unit name | TM-D |
| Trip unit technology | Thermal-magnetic |
| Trip unit rating | 100 A at 40 °C |
| Protection type | Short-circuit protection (magnetic)<br>Overload protection (thermal) |

## 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 | 30 KA at 440 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>80 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 | 0…100 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 |
| Short-time delay adjustment type | Fixed |
| Instantaneous pick-up adjustment type Ii | Fixed |

| | |
|---|---|
| Instantaneous pick-up adjustment range | 800 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<br>IEC 60947-2 |
| Product certifications | GOST[RETURN]IEC |
| Electrical shock protection class | Class II |
| 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 | 11.700 Cm |
| Package 1 Width | 13.300 Cm |
| Package 1 Length | 19.100 Cm |
| Package 1 Weight | 1.788 Kg |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 7 |
| Package 2 Height | 30.000 Cm |
| Package 2 Width | 30.000 Cm |
| Package 2 Length | 40.000 Cm |
| Package 2 Weight | 12.936 Kg |
| Unit Type of Package 3 | P12 |
| Number of Units in Package 3 | 56 |
| Package 3 Height | 45.000 Cm |
| Package 3 Width | 80.000 Cm |
| Package 3 Length | 120.000 Cm |
| Package 3 Weight | 115.488 Kg |

## Offer Sustainability

| | |
|---|---|
| Recyclability potential, in % | 51 |
| Total lifecycle Carbon footprint | 487 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 12.38307954451849 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 12 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.21464446279304172 |
| Carbon footprint of the distribution phase [A4] | 0.2 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.19665673452375015 |
| Carbon footprint of the installation phase [A5] | 0.2 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 471.44 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 471 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | No |

| | |
|---|---|
| Carbon footprint of the end-of-life phase [C1 to C4] | 2.862056092771573 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 3 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 487 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No, we have minimized the use of plastic in the packaging in compliance with regulations and c |
| SCIP Number | 49bf38c5-56a0-475d-90bd-a88ef3d2ace2 |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant By Exemption |
| End of life manual availability | No need of specific recycling operations |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection a |

## Contractual warranty

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|---|---|
| Warranty (in months) | 18 |

Product Life Status : Commercialised