

# Product datasheet

Specifications



circuit breaker EasyPact CVS100B,  
25 kA at 415 VAC, 25 A rating  
thermal magnetic TM-D trip unit, 4P  
3d

LV510311

## Main

Range	EasyPact
Product name	EasyPact CVS
Device short name	CVS100B
Product or component type	Circuit breaker
Device application	Distribution
Poles description	4P
Protected poles description	3D
Earth leakage protection (Vigi add on)	Without
[In] rated current	25 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	25 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
Neutral position	Left
Mechanical durability	30000 cycles
Electrical durability	12000 cycles 415 V In conforming to IEC 60947-2
Control type	Toggle

Thermal protection adjustment range	17.5...25 A
Neutral protection setting	No protection (3D)
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	300 A
Contact position indicator	Yes
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connections - terminals	Screw connection
Connection pitch	35 mm
Compatibility code	CVS100
Width	140 mm
Depth	86 mm
Height	161 mm
Net weight	2.2 kg

## Environment

Standards	IEC 60947-2 EN 60947-2
Product certifications	GOST 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	13 cm
Package 1 Width	14.5 cm
Package 1 Length	19 cm
Package 1 Weight	2.212 kg
Unit Type of Package 2	S04
Number of Units in Package 2	9

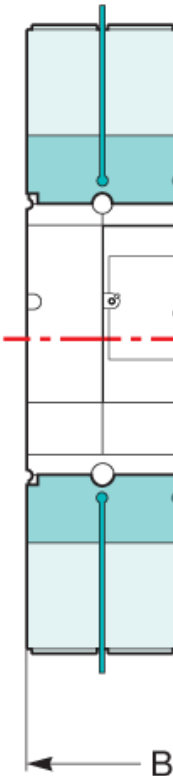
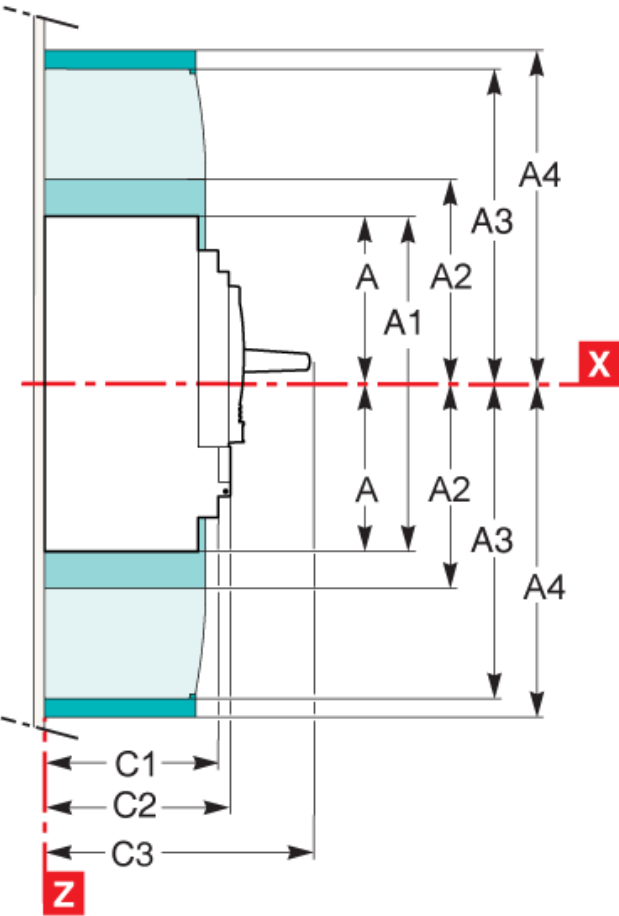
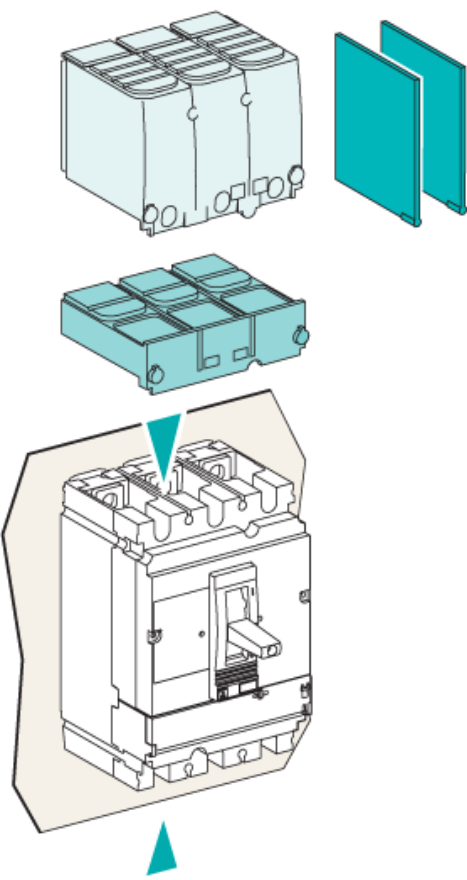
Package 2 Height	30 cm
Package 2 Width	40 cm
Package 2 Length	60 cm
Package 2 Weight	20.493 kg
Package 3 Height	30.0 cm

### Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	<a href="#">Yes</a>
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

### Contractual warranty

Warranty	18 months
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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	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.

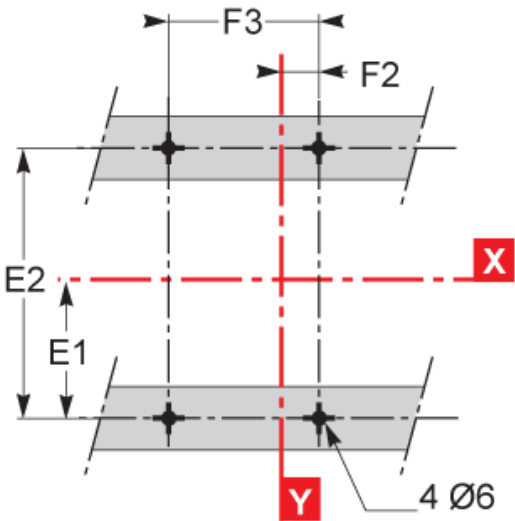
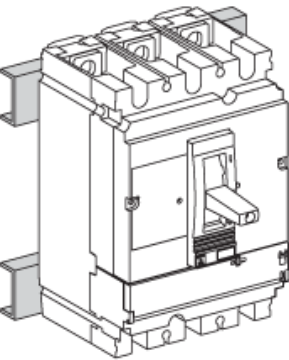
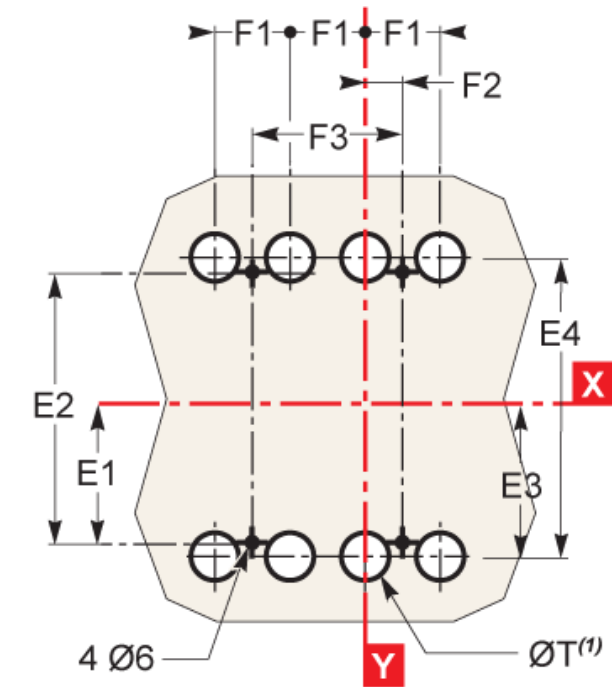
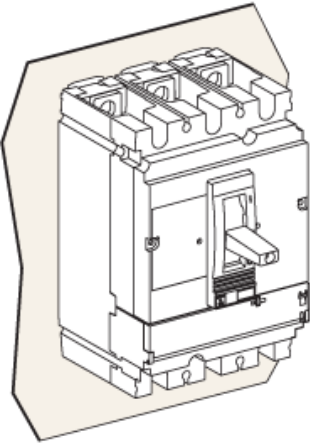


Table with 2 rows of dimensions (A, A1, A2, A3, A4, A5, A6, A7, A8, A9, B, B1, B2, C1, C2, C3, E1) and 2 rows of dimensions (E2, E3, E4, E5, E6, E7, E8, F1, F2, F3, G1, G2, G3, G4, G5, ØT, U) for types CVS100/160/250 and CVS400/630.

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

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Figure 1 is a log-log plot showing the relationship between time  $t$  (in seconds) on the y-axis and the normalized distance  $l/l_r$  on the x-axis. The y-axis ranges from 0.001 to 10,000, and the x-axis ranges from 0.5 to 300. Two curves are plotted: a solid line and a dashed line. The solid line is labeled "TM25D :  $I_m = 12 \times I_n$ ". A vertical orange line is drawn at  $l/l_r = 1$ . A shaded orange region is labeled "Reflex tripping:  $t < 10 \text{ ms}$ ".

### Recommended replacement(s)