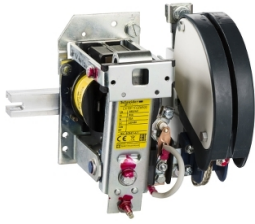


# Product datasheet

Specifications



## contactor TeSys CV1BF - 2 poles - 1N/C- 80A - coil 110 V AC

CV1BF2F1FF511

⚠ Discontinued on: Feb 27, 2026

⚠ Discontinued

### Main

Range	TeSys
Product name	TeSys B
Product or component type	Contacteur
Device short name	CV1BF
Contacteur application	Resistive circuits, heating, lighting Motor
Utilisation category	AC-1 AC-3
Control circuit type	DC
Poles description	3P
Pole contact composition	2 NO + 1 NC
[Ie] rated operational current	80 A AC for control circuit
Current rating code of contactor	BF
Auxiliary contact composition	1 NO + 1 NC
[Uc] control circuit voltage	110 V AC 50 Hz

### Complementary

Auxiliary contacts type	type instantaneous 1 NO + 1 NC
Control circuit voltage limits	Operational: 0.85...1.1 U <sub>c</sub> (at <55 °C) Drop-out: 0.1...0.65 U <sub>c</sub> (at <55 °C)
[Ui] rated insulation voltage	690 V conforming to IEC 60947-4
Connections - terminals	Control circuit: cable with lug 1 x 25 mm <sup>2</sup> Control circuit: cable connector 2 x 16 mm <sup>2</sup>
Tightening torque	Control circuit: 1.2 N.m - on with cable end - cable 2...4 mm <sup>2</sup> Control circuit: 1.2 N.m - on with cable end - cable 1...4 mm <sup>2</sup> Power circuit: 9 N.m - on cable with lug - cable 25 mm <sup>2</sup> Power circuit: 9 N.m - on cable connector - cable 16 mm <sup>2</sup> Control circuit: 1.2 N.m - on without cable end - cable 2...6 mm <sup>2</sup> Control circuit: 1.2 N.m - on without cable end - cable 1...6 mm <sup>2</sup>
[Ue] rated operational voltage	Control circuit: 690 V AC
[Ith] conventional free air thermal current	80 A (at 40 °C) for control circuit
Irms rated making capacity	1600 A at 690 V DC for control circuit conforming to IEC 60947-4-1

<b>[Icw] rated short-time withstand current</b>	640 A 40 °C - 5 s for control circuit 640 A 40 °C - 10 s for control circuit 380 A 40 °C - 30 s for control circuit 320 A 40 °C - 60 s for control circuit 200 A 40 °C - 180 s for control circuit 130 A 40 °C - 600 s for control circuit
<b>Associated fuse rating</b>	80 A aM at <= 400 V for control circuit 125 A g1 at <= 400 V for control circuit
<b>Power dissipation per pole</b>	7.6 W AC-3 9.6 W AC-1
<b>Inrush power in W</b>	20...27 W
<b>Hold-in power consumption in W</b>	20...27 W
<b>Operating time</b>	130 ms contactor closed DC 30 ms contactor open DC
<b>Mechanical durability</b>	5000000 cycles
<b>Maximum operating rate</b>	120 cyc/mn 55 °C
<b>Rated operational power in W</b>	300 W at 24 V - electrical durability: 1000000 cycles - for control circuit 115 W at 24 V - electrical durability: 3000000 cycles - for control circuit 45 W at 24 V - electrical durability: 10000000 cycles - for control circuit

## Environment

<b>Standards</b>	IEC 60947-4 EN 60947-4
<b>Product certifications</b>	Bureau Veritas CSA CEI
<b>IP degree of protection</b>	IP00 conforming to IEC 60529
<b>Ambient air temperature for operation</b>	-5...55 °C
<b>Ambient air temperature for storage</b>	-60...80 °C
<b>Operating altitude</b>	2000 m
<b>Shock resistance</b>	4 gn 2 gn
<b>Vibration resistance</b>	4 gn 2 gn

## Contractual warranty

<b>Warranty (in months)</b>	18
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## 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 Longer



### Lifetime extension

[Repair](#)

[No](#)

## Use Again



### Repack and remanufacture

[WEEE Label](#)



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