

Main

Range	TeSys
Product name	TeSys V
Product or Component Type	Vacuum contactor
Device short name	LC1V
Contacteur application	Resistive load Motor control
Utilisation category	AC-3 AC-4 AC-1
Control circuit type	AC
Coil type	Standard
Poles description	3P
Pole contact composition	3 NO

Complementary

Coil technology	Without built-in bidirectional peak limiting diode suppressor
[Ie] rated operational current	610 A (at <131.000000000 °F (55 °C)) AC AC-3 for power circuit 630 A (at <104.000000000 °F (40 °C)) AC AC-1 for power circuit 540 A AC AC-4 for power circuit
Motor power kW	160 KW at 230 V AC 50/60 Hz (AC-3) 300 KW at 400 V AC 50/60 Hz (AC-3) 400 KW at 525 V AC 50/60 Hz (AC-3) 560 KW at 690 V AC 50/60 Hz (AC-3) 800 kW at 1000 V AC 50/60 Hz (AC-3)
Maximum Horse Power Rating	1000 Hp at 1000 V AC 50/60 Hz conforming to CSA 1300 Hp at 1500 V AC 50/60 Hz conforming to CSA 150 Hp at 200 V AC 50/60 Hz conforming to CSA 200 Hp at 240 V AC 50/60 Hz conforming to CSA 300 Hp at 380 V AC 50/60 Hz conforming to CSA 400 Hp at 480 V AC 50/60 Hz conforming to CSA 500 Hp at 600 V AC 50/60 Hz conforming to CSA 700 hp at 800 V AC 50/60 Hz conforming to CSA
Auxiliary contact composition	1 NO + 1 NC
[Uc] control circuit voltage	220...240 V AC 50/60 Hz
Control circuit voltage limits	0.8...1.1 Uc at 50/60 Hz
[Ui] rated insulation voltage	Power circuit 1500 V Earth circuit 2000 V Control circuit 690 V
[Uimp] rated impulse withstand voltage	8 kV
Mounting Support	Plate Rail
Connections - terminals	Control circuit connector 1 x 0.004 in ² (2.5 mm ²) Power circuit bolted connection
Tightening torque	Power circuit 345.2 lbf.in (39 N.m) connector 0.3 in ² (185 mm ²) hexagonal
[Ue] rated operational voltage	Power circuit <= 1000 V AC 50/60 Hz
[Ith] conventional free air thermal current	10 A for control circuit 630 A for power circuit
Irms rated making capacity	7300 A at 1500 V AC for power circuit conforming to IEC 60947
Rated breaking capacity	6100 A at 1500 V for power circuit conforming to IEC 60947
Associated fuse rating	10 A gG for control circuit 630 A aM at <= 1000 V for power circuit conforming to IEC 60947
Inrush power in VA	1700 VA

Hold-in power consumption in VA	28 VA
Operating time	24...32 ms on closing 95...115 ms on opening
Mechanical durability	2000000 cycles
Maximum operating rate	1200 cyc/h
Height	14.02 in (356 mm)
Width	7.9 in (201 mm)
Depth	7.008 in (178 mm)
Net Weight	28.7 lb(US) (13 kg)

Environment

Standards	EN 60947-4-1 IEC 60947-4-1
IP degree of protection	IP00 IEC 60529
Ambient Air Temperature for Operation	23...131 °F (-5...55 °C)
Ambient Air Temperature for Storage	-40...176 °F (-40...80 °C)
Operating altitude	11811.02...14763.78 ft (3600...4500 m)
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Shock resistance	10 gn contactor closed 10 gn contactor opened
Vibration resistance	2 gn 10...500 Hz


Ordering and shipping details

Category	US10CP121208
Discount Schedule	0CP1
GTIN	3389110984262
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.60 in (34.54 cm)
Package 1 Width	12.10 in (30.73 cm)
Package 1 Length	20.000000000 in (50.8 cm)
Package 1 Weight	34.30 lb(US) (15.56 kg)
Unit Type of Package 2	S06
Number of Units in Package 2	2
Package 2 Height	28.9 in (73.5 cm)
Package 2 Width	23.6 in (60 cm)
Package 2 Length	31.5 in (80 cm)
Package 2 Weight	93.5 lb(US) (42.4 kg)

Offer Sustainability

EU RoHS Directive	Not compliant
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
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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