



Main

Range	TeSys
Product name	TeSys V
Product or component type	Vacuum contactor
Device short name	LC1V
Contactor 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	320 A (at <40 °C) AC AC-1 for power circuit 320 A (at <55 °C) AC AC-3 for power circuit 270 A AC AC-4 for power circuit
Motor power kW	160 kW at 400 V AC 50/60 Hz (AC-3) 220 kW at 525 V AC 50/60 Hz (AC-3) 280 kW at 690 V AC 50/60 Hz (AC-3) 400 kW at 1000 V AC 50/60 Hz (AC-3) 90 kW at 230 V AC 50/60 Hz (AC-3)
Motor power hp	100 Hp at 200 V AC 50/60 Hz conforming to CSA 125 Hp at 240 V AC 50/60 Hz conforming to CSA 200 Hp at 380 V AC 50/60 Hz conforming to CSA 250 Hp at 480 V AC 50/60 Hz conforming to CSA 300 Hp at 600 V AC 50/60 Hz conforming to CSA 400 Hp at 800 V AC 50/60 Hz conforming to CSA 500 Hp at 1000 V AC 50/60 Hz conforming to CSA 800 hp at 1500 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 2.5 mm ² Power circuit: connector 1 x 185 mm ²
Tightening torque	Power circuit: 39 N.m - on connector - cable 185 mm ² hexagonal screw head
[Ue] rated operational voltage	Power circuit: ≤ 1000 V AC 50/60 Hz
[Ith] conventional free air thermal current	10 A for control circuit 320 A for power circuit
Irms rated making capacity	3800 A at 1500 V AC for power circuit conforming to IEC 60947
Rated breaking capacity	3200 A at 1500 V for power circuit conforming to IEC 60947
Associated fuse rating	10 A gG for control circuit 400 A aM at ≤ 1000 V for power circuit conforming to IEC 60947
Inrush power in VA	600 VA

Hold-in power consumption in VA	20 VA
Operating time	24...32 ms on closing 95...115 ms on opening
Mechanical durability	2500000 cycles
Maximum operating rate	1200 cyc/h
Height	222 mm
Width	201 mm
Depth	159 mm
Net weight	10.5 kg


Environment

Standards	EN 60947-4-1 IEC 60947-4-1
IP degree of protection	IP00 conforming to IEC 60529
Ambient air temperature for operation	-5...55 °C
Ambient air temperature for storage	-40...80 °C
Operating altitude	3600...4500 m
Fire resistance	850 °C conforming to IEC 60695-2-1
Shock resistance	10 gn contactor closed 10 gn contactor opened
Vibration resistance	2 gn 10...500 Hz

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	31.5 cm
Package 1 Width	33.53 cm
Package 1 Length	40.89 cm
Package 1 Weight	12.47 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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