

## LC1V610P7

vacuum contactor LC1-V - 3P - 610 A AC-3 - coil  
220..240 V AC



### Main

Range	TeSys
Product name	TeSys V
Product or component type	Vacuum contactor
Device short name	LC1V
Contactor application	Motor control Resistive load
Utilisation category	AC-1 AC-3 AC-4
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 (<= 55 °C) AC AC-3 for power circuit 630 A (<= 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
Motor power hp	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 U <sub>c</sub> 50/60 Hz
[Ui] rated insulation voltage	1500 V for power circuit 2000 V for earth circuit 690 V for control circuit
[Uimp] rated impulse withstand voltage	8 kV
Mounting support	Plate Rail
Connections - terminals	Control circuit : connector 1 cable 2.5 mm <sup>2</sup> Power circuit : bolted connection
Tightening torque	Power circuit : 39 N.m - on connector - cable 185 mm <sup>2</sup> hexagonal
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz for power circuit
[I <sub>th</sub> ] conventional free air thermal current	10 A for control circuit 630 A for power circuit
I <sub>rms</sub> 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

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	95...115 ms on opening
Mechanical durability	2000000 cycles
Operating rate	1200 cyc/h
Height	356 mm
Width	201 mm
Depth	178 mm
Product weight	13 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

## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1529 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold