

## LC1V160P7

vacuum contactor LC1-V - 3P - 160 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	160 A (<= 40 °C) AC AC-1 for power circuit 160 A (<= 55 °C) AC AC-3 for power circuit 130 A AC AC-4 for power circuit
Motor power kW	110 kW at 525 V AC 50/60 Hz AC-3 150 kW at 690 V AC 50/60 Hz AC-3 200 kW at 1000 V AC 50/60 Hz AC-3 45 kW at 230 V AC 50/60 Hz AC-3 75 kW at 400 V AC 50/60 Hz AC-3
Motor power hp	100 hp at 380 V AC 50/60 Hz conforming to CSA 125 hp at 480 V AC 50/60 Hz conforming to CSA 150 hp at 600 V AC 50/60 Hz conforming to CSA 200 hp at 800 V AC 50/60 Hz conforming to CSA 250 hp at 1000 V AC 50/60 Hz conforming to CSA 400 hp at 1500 V AC 50/60 Hz conforming to CSA 50 hp at 200 V AC 50/60 Hz conforming to CSA 60 hp at 240 V AC 50/60 Hz conforming to CSA
Auxiliary contact composition	2 NO + 1 NC
[Uc] control circuit voltage	220...240 V AC 50/60 Hz
Control circuit voltage limits	0.8...1.1 Uc 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 : 14 N.m - on connector - cable 70 mm <sup>2</sup> hexagonal
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz for power circuit
[Ith] conventional free air thermal current	10 A for control circuit 160 A for power circuit
Irms rated making capacity	1900 A at 1500 V AC for power circuit conforming to IEC 60947
Rated breaking capacity	1600 A at 1500 V for power circuit conforming to IEC 60947
Associated fuse rating	10 A gG for control circuit 160 A aM at <= 1000 V for power circuit conforming to IEC 60947
Inrush power in VA	300 VA
Hold-in power consumption in VA	30 VA
Operating time	18...22 ms on closing

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

	95...115 ms on opening
Mechanical durability	5000000 cycles
Operating rate	1200 cyc/h
Height	168 mm
Width	123 mm
Depth	151 mm
Product weight	3.8 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	2500...3600 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