Product datasheet
Characteristics

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 mm² Power circuit : bolted connection
Tightening torque	Power circuit : 14 N.m - on connector - cable 70 mm² 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

	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