



## Main

Range	TeSys
Product name	TeSys F
Product or component type	Contactors
Device short name	LC1F
Contactors application	Motor control Resistive load
Utilisation category	AC-1 AC-3 AC-4
Poles description	3P
Pole contact composition	3 NO
[Ue] rated operational voltage	$\leq 1000$ V AC 50/60 Hz $\leq 460$ V DC
[Ie] rated operational current	350 A ( $\leq 40$ °C) at $\leq 440$ V AC AC-1 265 A ( $\leq 55$ °C) at $\leq 440$ V AC AC-3
Motor power kW	132 kW at 380...400 V AC 50/60 Hz AC-3 140 kW at 415 V AC 50/60 Hz AC-3 140 kW at 440 V AC 50/60 Hz AC-3 160 kW at 500 V AC 50/60 Hz AC-3 147 kW at 1000 V AC 50/60 Hz AC-3 51 kW at 400 V AC 50/60 Hz AC-4 75 kW at 220...240 V AC 50/60 Hz AC-3 160 kW at 660...690 V AC 50/60 Hz AC-3

## Complementary

[Uimp] rated impulse withstand voltage	8 kV
Oversvoltage category	III
[Ith] conventional free air thermal current	350 A at $\leq 40$ °C
Irms rated making capacity	2650 A AC conforming to IEC 60947-4-1
Rated breaking capacity	2120 A conforming to IEC 60947-4-1

[Icw] rated short-time withstand current	2200 A <= 40 °C 10 s 1230 A <= 40 °C 30 s 950 A <= 40 °C 1 min 620 A <= 40 °C 3 min 480 A <= 40 °C 10 min
Associated fuse rating	315 A aM at <= 440 V 400 A gG at <= 440 V
Average impedance	0.3 mOhm at 50 Hz - Ith 350 A
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-4-1 1500 V conforming to VDE 0110 group C
Power dissipation per pole	21 W AC-3 37 W AC-1
Mounting support	Plate
Standards	EN 60947-1 IEC 60947-1 IEC 60947-4-1 EN 60947-4-1 JIS C8201-4-1
Product certifications	DNV RMRoS CSA RINA UL LROS (Lloyds register of shipping) ABS CB BV
Connections - terminals	Power circuit : connector 1 cable(s) 240 mm <sup>2</sup> Power circuit : lugs-ring terminals 1 cable(s) 240 mm <sup>2</sup> Power circuit : bolted connection Power circuit : bar 2 x (32 x 4 mm)
Tightening torque	Power circuit : 35 N.m

## Environment

IP degree of protection	IP20 front face with shrouds (ordered separately) conforming to IEC 60529 IP20 front face with shrouds (ordered separately) conforming to VDE 0106
Protective treatment	TH
Ambient air temperature for operation	-5...55 °C
Ambient air temperature for storage	-60...80 °C
Permissible ambient air temperature around the device	-40...70 °C
Operating altitude	3000 m without derating in temperature
Mechanical robustness	Vibrations contactor closed 5 Gn, 5...300 Hz Vibrations contactor open 2 Gn, 5...300 Hz Shocks contactor closed 15 Gn for 11 ms Shocks contactor open 6 Gn for 11 ms
Height	203 mm
Width	201.5 mm
Depth	213 mm
Product weight	8.54 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0843 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#">Product environmental</a>
Product end of life instructions	Available

## Contractual warranty

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Warranty period	18 months
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