

# LC1F225

TeSys F contactor - 3P(3 NO) - AC-3 -  $\leq 440$  V  
225 A - without coil



## Main

Range	TeSys
Product or component type	Contacteur
Product name	TeSys F
Device short name	LC1F
Contacteur application	Resistive load Motor control

## Complementary

Utilisation category	AC-4 AC-1 AC-3
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	315 A ( $\leq 40$ °C) at $\leq 440$ V AC AC-1 225 A ( $\leq 55$ °C) at $\leq 440$ V AC AC-3
Motor power kW	100 kW at 1000 V AC 50/60 Hz AC-3 110 kW at 380...400 V AC 50/60 Hz AC-3 110 kW at 415 V AC 50/60 Hz AC-3 110 kW at 440 V AC 50/60 Hz AC-3 129 kW at 500 V AC 50/60 Hz AC-3 129 kW at 660...690 V AC 50/60 Hz AC-3 40 kW at 400 V AC 50/60 Hz AC-4 63 kW at 220...240 V AC 50/60 Hz AC-3
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	315 A at $\leq 40$ °C
Irms rated making capacity	2250 A AC conforming to IEC 60947-4-1
Rated breaking capacity	1800 A conforming to IEC 60947-4-1

[Icw] rated short-time withstand current	1800 A <= 40 °C 10 s 1000 A <= 40 °C 30 s 850 A <= 40 °C 1 min 560 A <= 40 °C 3 min 440 A <= 40 °C 10 min
Associated fuse rating	315 A gG at <= 440 V 250 A aM at <= 440 V
Average impedance	0.32 mOhm at 50 Hz - Ith 315 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	16 W AC-3 32 W AC-1
Connections - terminals	Power circuit : connector 1 cable(s) 185 mm <sup>2</sup> Power circuit : lugs-ring terminals 1 cable(s) 185 mm <sup>2</sup> Power circuit : bar 2 x ( 32 x 4 mm) Power circuit : bolted connection
Tightening torque	Power circuit : 35 N.m
Mounting support	Plate
Mechanical robustness	Vibrations contactor closed 5 Gn, 5...300 Hz Shocks contactor open 7 Gn for 11 ms Vibrations contactor open 2 Gn, 5...300 Hz Shocks contactor closed 15 Gn for 11 ms
Height	197 mm
Width	168.5 mm
Depth	181 mm
Product weight	5.55 kg

## Environment

Standards	IEC 60947-1 IEC 60947-4-1 EN 60947-4-1 JEM 1038 EN 60947-1
Product certifications	RINA BV UL GL LROS CCC DNV RMRoS CSA
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

## 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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