



## Main

Range	TeSys
Product name	TeSys F
Product or component type	Contactors
Device short name	LC1F
Contactors application	Resistive load
Utilisation category	AC-1
Poles description	4P
Power pole contact composition	4 NO
[Ue] rated operational voltage	$\leq 690$ V AC 50/60 Hz
[Ie] rated operational current	315 A ( $\leq 40$ °C) at $\leq 440$ V AC-1

## Complementary

[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 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 $\leq 40$ °C 10 s 1000 A $\leq 40$ °C 30 s 850 A $\leq 40$ °C 1 min 560 A $\leq 40$ °C 3 min 440 A $\leq 40$ °C 10 min
Associated fuse rating	315 A gG at $\leq 440$ 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	32 W AC-1
Mounting support	Plate

Disclaimer: 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

Standards	EN 60947-1 EN 60947-4-1 IEC 60947-1 IEC 60947-4-1 JIS C8201-4-1
Product certifications	ABS BV CSA DNV LROS (Lloyds register of shipping) RINA RMRoS UL CB
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 : 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
Mechanical robustness	Vibrations resistance contactor open 2 Gn, 5...300 Hz Vibrations resistance contactor closed 5 Gn, 5...300 Hz Shocks resistance contactor closed 15 Gn for 1/2 sine wave (11 ms) Shocks resistance contactor open 7 Gn for 1/2 sine wave (11 ms)
Height	197 mm
Width	208.5 mm
Depth	181 mm
Product weight	5.55 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0852 - 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 Profile</a>
Product end of life instructions	Available <a href="#">End of Life Information</a>

## Contractual warranty

Warranty period	18 months
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