



## Main

Range	TeSys
Product name	TeSys F
Product or component type	Contactor
Device short name	LC1F
Contactor application	Resistive load
Utilisation category	AC-1
Poles description	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	$\leq 690$ V AC 50/60 Hz
[Ie] rated operational current	1260 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	1260 A at $\leq 40$ °C
Irms rated making capacity	1890 A conforming to IEC 60947-4-1
Rated breaking capacity	1890 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	3000 A $\leq 40$ °C 3 min 8000 A $\leq 40$ °C 10 s 5200 A $\leq 40$ °C 30 s 4000 A $\leq 40$ °C 1 min 2000 A $\leq 40$ °C 10 min
Associated fuse rating	1400 A gG at $\leq 440$ V for power circuit
Average impedance	0.12 mOhm at 50 Hz - Ith 1260 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	120 W AC-1
Mounting support	Plate

Standards	EN 60947-1 IEC 60947-1 JIS C8201-4-1 EN 60947-4-1 IEC 60947-4-1
Product certifications	CETLus CSA CCC CB
Connections - terminals	Power circuit : bar 2 Power circuit : bolted connection
Tightening torque	Power circuit : 58 N.m

## Environment

Protective treatment	TH
Ambient air temperature for operation	-5...40 °C
Ambient air temperature for storage	-60...80 °C
Permissible ambient air temperature around the device	-40...60 °C
Operating altitude	3000 m without derating
Mechanical robustness	Vibrations resistance contactor open 2 Gn, 5...300 Hz Vibrations resistance contactor closed 4 Gn, 5...300 Hz Shocks resistance contactor open 6 Gn for 1/2 sine wave (11 ms) Shocks resistance contactor closed 15 Gn for 1/2 sine wave (11 ms)
Height	338 mm
Width	309 mm
Depth	255 mm
Product weight	19 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0927 - 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="#">End of Life Information</a>
Product end of life instructions	Available

## Contractual warranty

Warranty period	18 months
-----------------	-----------