



## 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	4P
Pole contact composition	4 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

## Complementary




[Uimp] rated impulse withstand voltage	8 kV
Overvoltage 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 $\leq 40$ °C 10 s 1230 A $\leq 40$ °C 30 s 950 A $\leq 40$ °C 1 min 620 A $\leq 40$ °C 3 min 480 A $\leq 40$ °C 10 min
Associated fuse rating	315 A aM at $\leq 440$ V 400 A gG at $\leq 440$ 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	37 W AC-1

Mounting support	Plate
Standards	EN 60947-1 IEC 60947-1 JIS C8201-4-1 IEC 60947-4-1 EN 60947-4-1
Product certifications	DNV RINA RMRoS CSA ABS UL CB LROS (Lloyds register of shipping) 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 : bar 2 x ( 32 x 4 mm) Power circuit : bolted connection
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	244.5 mm
Depth	213 mm
Product weight	8.54 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</a>
Product end of life instructions	Available <a href="#"> End of life manual</a>

## Contractual warranty

Warranty period	18 months
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