



Main

Range	TeSys
Product or component type	Contactors
Product name	TeSys F
Device short name	LC1F
Contactors application	Resistive load

Complementary

Utilisation category	AC-1
Poles description	4P
Pole contact composition	4 NO
[Ue] rated operational voltage	≤ 1000 V AC 50/60 Hz ≤ 460 V DC
[Ie] rated operational current	200 A (≤ 40 °C) at ≤ 440 V AC AC-1
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	200 A at ≤ 40 °C
Irms rated making capacity	1150 A AC conforming to IEC 60947-4-1
Rated breaking capacity	920 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	1100 A ≤ 40 °C 10 s 640 A ≤ 40 °C 30 s 520 A ≤ 40 °C 1 min 400 A ≤ 40 °C 3 min 320 A ≤ 40 °C 10 min
Associated fuse rating	125 A aM at ≤ 440 V 200 A gG at ≤ 440 V
Average impedance	0.37 mOhm at 50 Hz - Ith 200 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	15 W AC-1

Connections - terminals	Power circuit : connector 1 cable(s) 95 mm ² Power circuit : lugs-ring terminals 1 cable(s) 95 mm ² Power circuit : bar 2 x (20 x 3 mm) Power circuit : bolted connection
Tightening torque	Power circuit : 10 N.m
Mounting support	Plate
Mechanical robustness	Vibrations contactor closed 6 Gn, 5...300 Hz Shocks contactor open 9 Gn for 11 ms Vibrations contactor open 2 Gn, 5...300 Hz Shocks contactor closed 15 Gn for 11 ms
Height	162 mm
Width	200.5 mm
Depth	171 mm
Product weight	3.83 kg

Environment

Standards	JEM 1038 EN 60947-1 IEC 60947-4-1 EN 60947-4-1 IEC 60947-1
Product certifications	DNV UL RINA CSA GL RMRoS CCC BV LROS
IP degree of protection	IP2x front face with shrouds (ordered separately) conforming to IEC 60529 IP2x 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 0852 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product environmental
Product end of life instructions	Available End of life manual

Contractual warranty

Warranty period	18 months
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