



Main

Range	TeSys
Product name	TeSys F
Product or component type	Contacteur
Device short name	LC1F
Contacteur application	Resistive load
Utilisation category	AC-1
Poles description	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	≤ 460 V DC ≤ 690 V AC 50/60 Hz
[Ie] rated operational current	1260 A (≤ 40 °C) at ≤ 440 V AC-1
[Uc] control circuit voltage	400 V AC 40...400 Hz

Complementary

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	1260 A at ≤ 40 °C
Rated breaking capacity	1890 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	3000 A ≤ 40 °C 3 min 8000 A ≤ 40 °C 10 s 5200 A ≤ 40 °C 30 s 4000 A ≤ 40 °C 1 min 2000 A ≤ 40 °C 10 min
Associated fuse rating	1000 A gG at ≤ 440 V
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 JIS C8201-4-1 IEC 60947-4-1 IEC 60947-1


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

Product certifications	CB CSA CCC CETLus
Connections - terminals	Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness: solid - without cable end Power circuit : bolted connection Power circuit : bar 2 x (100 x 5 mm)
Tightening torque	Control circuit : 1.2 N.m Power circuit : 58 N.m
Control circuit voltage limits	0.85...1.1 U _c at 55 °C operational 40...400 Hz 0.25...0.5 U _c at 55 °C drop-out 40...400 Hz
Inrush power in VA	1650 VA at 20 °C (cos φ 0.9) 40...400 Hz
Hold-in power consumption in VA	22 VA at 20 °C (cos φ 0.9) 40...400 Hz
Heat dissipation	20 W
Operating time	100...200 ms opening 40...80 ms closing
Operating rate	1200 cyc/h at ≤ 55 °C

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 Shocks resistance contactor closed 15 Gn for 11 ms Shocks resistance contactor open 6 Gn for 11 ms Vibrations resistance contactor closed 4 Gn, 5...300 Hz
Height	338 mm
Width	309 mm
Depth	255 mm
Product weight	19 kg

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0844 - 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

Contractual warranty

Warranty period	18 months
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