



Main

Range	TeSys
Product name	TeSys F
Product or component type	Contactors
Device short name	LC1F
Contactors application	Resistive load Motor control
Utilisation category	AC-1 AC-3
Poles description	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	≤ 440 V AC 50/60 Hz
[Ie] rated operational current	1250 A (≤ 40 °C) at ≤ 440 V AC AC-1 1000 A (≤ 55 °C) at ≤ 440 V AC AC-3
[Uc] control circuit voltage	220 V AC 40...400 Hz

Complementary

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	1250 A at ≤ 40 °C
Rated breaking capacity	8 kA conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	10000 A ≤ 40 °C 10 s 7500 A ≤ 40 °C 30 s 5500 A ≤ 40 °C 1 min 4200 A ≤ 40 °C 3 min 3000 A ≤ 40 °C 10 min
Associated fuse rating	2000 A gG at ≤ 440 V
Average impedance	0.1 mOhm at 50 Hz - Ith 1250 A
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-4-1 1500 V conforming to VDE 0110 group C

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

Power dissipation per pole	200 W AC-1
Mounting support	Plate
Standards	IEC 60947-1 EN 60947-1 IEC 60947-4-1 EN 60947-4-1
Product certifications	CCC CSA CB
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 : bar 4 Power circuit : bar 3
Operating time	100...200 ms opening 40...80 ms closing
Operating rate	600 cyc/h at ≤ 55 °C

Environment

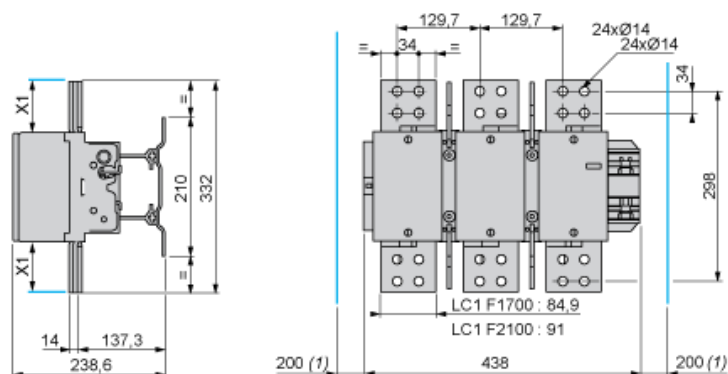
IP degree of protection	IP20 front face with shrouds (ordered separately) conforming to IEC 60529 IP20 front face with shrouds (ordered separately) conforming to VDE 0106
Protective treatment	TH
Ambient air temperature for operation	-5...40 °C
Ambient air temperature for storage	-60...80 °C
Permissible ambient air temperature around the device	-40...60 °C
Operating altitude	3000 m without derating
Height	332 mm
Width	438 mm
Depth	238.6 mm
Product weight	31 kg

Offer Sustainability

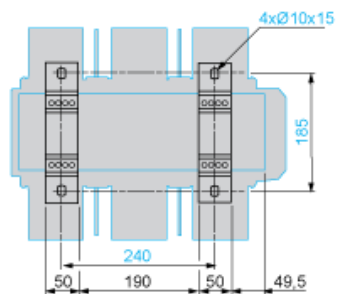
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1610 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Dimensions and Drawings

LC1 F1000



(1) Minimum distance required for coil removal.



NOTE: X1 (mm) = Minimum electrical clearance according to operating voltage and breaking capacity.

Voltage	200...500 V	690...1000 V
X1 (mm)	90	100