



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	4P
Power pole contact composition	4 NO
[Ue] rated operational voltage	≤ 1000 V AC 50/60 Hz ≤ 460 V DC
[Ie] rated operational current	350 A (≤ 40 °C) at ≤ 440 V AC AC-1
[Uc] control circuit voltage	48 V DC
Coil type	Standard

Complementary

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	350 A at ≤ 40 °C
Rated breaking capacity	2120 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	2200 A ≤ 40 °C 10 s 1230 A ≤ 40 °C 30 s 950 A ≤ 40 °C 1 min 620 A ≤ 40 °C 3 min 480 A ≤ 40 °C 10 min
Associated fuse rating	315 A aM at ≤ 440 V 400 A gG at ≤ 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 EN 60947-4-1 JIS C8201-4-1 IEC 60947-1 IEC 60947-4-1
Product certifications	RMRoS ABS BV UL DNV LROS (Lloyds register of shipping) RINA CB CCC
Connections - terminals	Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² - cable stiffness: flexible - with cable end Power circuit : connector 1 cable(s) 240 mm ² 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 : lugs-ring terminals 1 cable(s) 240 mm ² Power circuit : bolted connection Power circuit : bar 2 x (32 x 4 mm)
Tightening torque	Power circuit : 35 N.m Control circuit : 1.2 N.m
Control circuit voltage limits	0.15...0.2 Uc at 55 °C drop-out 0.85...1.1 Uc at 55 °C operational
Inrush power in W	750 W at 20 °C
Hold-in power consumption in W	5 W at 20 °C
Heat dissipation	5 W
Operating time	40...50 ms closing 40...65 ms opening
Mechanical durability	10 Mcycles
Operating rate	2400 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...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
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 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
[End of Life Information](#)

Contractual warranty

Warranty period

18 months
