



Price* : 4970.00 USD



Main

Range	TeSys
Product name	TeSys F
Product or component type	Contactors
Device short name	LC1F
Contactors application	Motor control Resistive load
Utilisation category	AC-1 AC-3 AC-4
Poles description	3P
Power pole contact composition	3 NO
Ue rated operational voltage	≤ 1000 V AC 50/60 Hz ≤ 460 V DC
[Ie] rated operational current	700 A (≤ 104 °F (40 °C)) at ≤ 440 V AC AC-1 500 A (≤ 131 °F (55 °C)) at ≤ 440 V AC AC-3
Motor power kW	250 kW at 380...400 V AC 50/60 Hz AC-3 280 kW at 415 V AC 50/60 Hz AC-3 295 kW at 440 V AC 50/60 Hz AC-3 355 kW at 500 V AC 50/60 Hz AC-3 335 kW at 1000 V AC 50/60 Hz AC-3 147 kW at 220...230 V AC 50/60 Hz AC-3 80 kW at 400 V AC 50/60 Hz AC-4 335 kW at 660...690 V AC 50/60 Hz AC-3
Control circuit voltage	380 V AC 40...400 Hz

Complementary

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	700 A at ≤ 104 °F (40 °C)

Rated breaking capacity	4000 A conforming to IEC 60947-4-1
[I _{cw}] rated short-time withstand current	4200 A ≤ 104 °F (40 °C) 10 s 3200 A ≤ 104 °F (40 °C) 30 s 2400 A ≤ 104 °F (40 °C) 1 min 1500 A ≤ 104 °F (40 °C) 3 min 1200 A ≤ 104 °F (40 °C) 10 min
Associated fuse rating	500 A aM at ≤ 440 V 800 A gG at ≤ 440 V
Average impedance	0.18 mOhm at 50 Hz - I _{th} 700 A
U _i rated insulation voltage	1000 V conforming to IEC 60947-4-1 1500 V conforming to VDE 0110 group C
Power dissipation per pole	45 W AC-3 88 W AC-1
Mounting support	Plate
Standards	EN 60947-1 EN 60947-4-1 IEC 60947-1 IEC 60947-4-1 JIS C8201-4-1
Product certifications	ABS BV CCC DNV LROS (Lloyds register of shipping) RINA RMRoS UL CB
Connections - terminals	Control circuit: screw clamp terminals 2 cable(s) 0...0 in ² (1...2.5 mm ²) - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 1 cable(s) 0...0.01 in ² (1...4 mm ²) - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 2 cable(s) 0...0.01 in ² (1...4 mm ²) - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 1 cable(s) 0...0.01 in ² (1...4 mm ²) - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 1 cable(s) 0...0.01 in ² (1...4 mm ²) - cable stiffness: solid - without cable end Control circuit: screw clamp terminals 2 cable(s) 0...0.01 in ² (1...4 mm ²) - cable stiffness: solid - without cable end Power circuit: lugs-ring terminals 2 cable(s) 0.37 in ² (240 mm ²) Power circuit : bolted connection Power circuit : bar 2 x (40 x 5 mm)
Tightening torque	Power circuit: 309.73 lbf.in (35 N.m) Control circuit: 10.62 lbf.in (1.2 N.m)
Control circuit voltage limits	0.85...1.1 U _c at 131 °F (55 °C) operational 40...400 Hz 0.3...0.5 U _c at 131 °F (55 °C) drop-out 40...400 Hz
Inrush power in VA	1100 VA at 68 °F (20 °C) (cos φ 0.9) 40...400 Hz
Hold-in power consumption in VA	18 VA at 68 °F (20 °C) (cos φ 0.9) 40...400 Hz
Heat dissipation	18 W
Operating time	100...170 ms opening 40...65 ms closing
Mechanical durability	10 Mcycles
Operating rate	2400 cyc/h at ≤ 131 °F (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	23...131 °F (-5...55 °C)
Ambient air temperature for storage	-76...176 °F (-60...80 °C)
Permissible ambient air temperature around the device	-40...158 °F (-40...70 °C)
Operating altitude	9842.52 ft (3000 m) without derating in temperature

Mechanical robustness	Shocks contactor open 9 Gn for 11 ms Vibrations contactor open 2 Gn, 5...300 Hz Vibrations contactor closed 4 Gn, 5...300 Hz Shocks contactor closed 15 Gn for 11 ms
Height	9.37 in (238 mm)
Width	9.17 in (233 mm)
Depth	9.13 in (232 mm)
Product weight	25.02 lb(US) (11.35 kg)

Ordering and shipping details

Category	22336 - CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
Nbr. of units in pkg.	1
Package weight(Lbs)	26.050000000000001
Returnability	N

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0843 - 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 instructio	Available

Contractual warranty

Period	18 months
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Product Life Status	END OF COMMERCIALIZATION
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