



Main

Range	TeSys
Product name	TeSys F
Product or Component Type	Contactor
Device short name	LC1F
Contactor application	Resistive load
Utilisation category	AC-1
Poles description	3P
Power pole contact composition	3 NO
[Ie] rated operational current	2100 A 104 °F (40 °C)) AC AC-1
[Uc] control circuit voltage	230 V AC 40...400 Hz

Complementary

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	2100 A 104 °F (40 °C)
Rated breaking capacity	3150 A IEC 60947-4-1
[Icw] rated short-time withstand current	10000 A 104 °F (40 °C) - 10 s 7500 A 104 °F (40 °C) - 30 s 5500 A 104 °F (40 °C) - 1 min 4200 A 104 °F (40 °C) - 3 min 3000 A 104 °F (40 °C) - 10 min
Associated fuse rating	2000 A gG <= 440 V
Average impedance	0.1 mOhm - Ith 2100 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C 1000 V UL 60947-4-1
Power dissipation per pole	200 W AC-1
Mounting Support	Plate
Standards	EN 60947-1 JIS C8201-4-1 EN 60947-4-1 IEC 60947-4-1 IEC 60947-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product certifications	UL CSA CCC CB Scheme EAC UKCA

Connections - terminals	Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)flexible without cable end Control circuit screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²)flexible without cable end Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²)flexible with cable end Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)solid without cable end Control circuit screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²)solid without cable end Power circuit bar 4 100 x 5 mm Power circuit bolted connection
Tightening torque	Control circuit 10.62 lbf.in (1.2 N.m) Power circuit 513.34 lbf.in (58 N.m)
Control circuit voltage limits	Operational 0.85...1.1 Uc 40...400 Hz 131 °F (55 °C)) Drop-out 0.3...0.5 Uc 40...400 Hz 131 °F (55 °C))
Inrush power in VA	2200 VA 40...400 Hz 0.9 68 °F (20 °C))
Hold-in power consumption in VA	36 VA 40...400 Hz 0.9 68 °F (20 °C))
Heat dissipation	36 W
Operating time	100...170 ms opening 40...75 ms closing
Maximum operating rate	600 cyc/h 131 °F (55 °C)
Compatibility code	LC1F

Environment

Protective treatment	TH
Ambient Air Temperature for Operation	23...104 °F (-5...40 °C)
Ambient Air Temperature for Storage	-76...176 °F (-60...80 °C)
Permissible ambient air temperature around the device	-40...140 °F (-40...60 °C)
Operating altitude	9842.52 ft (3000 m) without derating
Height	13.07 in (332 mm)
Width	17.24 in (438 mm)
Depth	9.39 in (238.6 mm)
Net Weight	68.34 lb(US) (31 kg)

Ordering and shipping details

Category	22336-CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
GTIN	3389118372696
Nbr. of units in pkg.	1
Package weight(Lbs)	88.18 lb(US) (40 kg)
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	14.96 in (38 cm)
Package 1 width	18.90 in (48 cm)
Package 1 Length	23.62 in (60 cm)
Unit Type of Package 2	CAR
Number of Units in Package 2	1
Package 2 Weight	88.18 lb(US) (40 kg)
Package 2 Height	15.55 in (39.5 cm)
Package 2 width	19.69 in (50 cm)
Package 2 Length	24.41 in (62 cm)
Unit Type of Package 3	P06
Number of Units in Package 3	1

Package 3 Weight	88.18 lb(US) (40 kg)
Package 3 Height	30.31 in (77 cm)
Package 3 width	31.50 in (80 cm)
Package 3 Length	23.62 in (60 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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