



勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Main

Range of product	TeSys F
Product or component type	Contacteur
Device short name	LC1F
Contacteur application	Motor control Resistive load
Utilisation category	AC-1 AC-3
Control circuit type	AC
Coil type	Standard
Poles description	3P
Pole contact composition	3 NO
[Ie] rated operational current	1000 A (<= 40 °C) AC AC-1 for power circuit 1250 A (<= 40 °C) AC AC-1 for power circuit 630 A (<= 55 °C) AC AC-3 for power circuit
Motor power kW	200 kW at 220...230 V AC 50/60 Hz 335 kW at 380...400 V AC 50/60 Hz 375 kW at 415 V AC 50/60 Hz 400 kW at 440 V AC 50/60 Hz 400 kW at 500 V AC 50/60 Hz 450 kW at 1000 V AC 50/60 Hz 450 kW at 660...690 V AC 50/60 Hz
Motor power hp	250 hp at 200/208 V AC 60 Hz conforming to CSA 250 hp at 200/208 V AC 60 Hz conforming to UL 300 hp at 230/240 V AC 60 Hz conforming to CSA 300 hp at 230/240 V AC 60 Hz conforming to UL 600 hp at 460/480 V AC 60 Hz conforming to CSA 600 hp at 460/480 V AC 60 Hz conforming to UL 800 hp at 575/600 V AC 60 Hz conforming to CSA 800 hp at 575/600 V AC 60 Hz conforming to UL
[Uc] control circuit voltage	220 V AC 40...400 Hz
Connections - terminals	Bars power circuit: 3 Control circuit: connector 1 cable 1...4 mm ² - cable stiffness: flexible - with cable end Control circuit: connector 1 cable 1...4 mm ² - cable stiffness: solid - without cable end Control circuit: connector 2 cable 1...2.5 mm ² - cable stiffness: flexible - without cable end Control circuit: connector 2 cable 1...4 mm ² - cable stiffness: flexible - with cable end Control circuit: connector 2 cable 1...4 mm ² - cable stiffness: solid - without cable end Power circuit: bars 2 - without cable end

Complementary

Coil technology	Without built-in bidirectional peak limiting diode suppressor
Auxiliary contacts type	Type integrated in coil (1 NO)
Auxiliary contact composition	1 NO
Control circuit voltage limits	0.25...0.5 U _c at <= 55 °C drop-out 40...400 Hz 0.85...1.1 U _c at <= 55 °C operational 40...400 Hz
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-1 for power circuit 1500 V conforming to VDE 0110 group C for power circuit
[Uimp] rated impulse withstand voltage	8 kV coil not connected to the power circuit
Mounting support	Plate Rail

Tightening torque	Power circuit: 58 N.m - on bars Control circuit: 1.2 N.m - on connector - cable 1...2.5 mm ² Control circuit: 1.2 N.m - on connector - cable 1...4 mm ²
[Ue] rated operational voltage	<= 1000 V AC 16 Hz 2/3...200 Hz for power circuit
[I _{th}] conventional free air thermal current	1000 A at <= 40 °C for power circuit
I _{rms} rated making capacity	6300 A at <= 1000 V AC for power circuit conforming to IEC 60497-4-1
Rated breaking capacity	5040 A at <= 1000 V for power circuit conforming to IEC 60497-4-1
Permissible short-time rating	1600 A (<= 40 °C) - short time current duration: 10 min - for power circuit 2200 A (<= 40 °C) - short time current duration: 3 min - for power circuit 3400 A (<= 40 °C) - short time current duration: 1 min - for power circuit 4400 A (<= 40 °C) - short time current duration: 30 s - for power circuit 5050 A (<= 40 °C) - short time current duration: 10 s - for power circuit
Associated fuse rating	1000 A gG at <= 440 V for power circuit 630 A aM at <= 440 V for power circuit 800 A gG at <= 440 V for power circuit
Average impedance	0.12 mOhm at 50 Hz - I _{th} 1000 A for power circuit
Power dissipation per pole	120 W AC-1 48 W AC-3
Inrush power in VA	1650 VA at 20 °C (cos φ 0.9)
Hold-in power consumption in VA	22 VA at 20 °C (cos φ 0.9) 40...400 Hz
Operating time	100...200 ms on opening 40...80 ms on closing
Mechanical durability	5000000 cycles
Operating rate	1200 cyc/h at <= 55 °C
Height	304 mm
Width	309 mm
Depth	255 mm
Product weight	18.6 kg

Environment

Standards	EN 60947-1 EN 60947-4-1 IEC 60947-1 IEC 60947-4-1 JEM 1038
Product certifications	BV CCC CSA DNV (Det Norske Veritas) GL GOST LROS (Lloyds register of shipping) RINA RMR0S UL
IP degree of protection	IP20 front face with cover conforming to IEC 60529 IP20 front face with cover conforming to VDE 0106
Protective treatment	TH
Ambient air temperature for operation	-60...80 °C
Ambient air temperature for storage	-5...55 °C
Permissible ambient air temperature around the device	-40...70 °C at U _c
Operating altitude	3000 m without derating in temperature
Fire resistance	850 °C conforming to IEC 60695-2-1
Shock resistance	15 gn contactor closed 6 gn contactor opened
Vibration resistance	2 gn 5...300 Hz contactor opened 4 gn 5...300 Hz contactor closed
Heat dissipation	20 W at 40...400 Hz for control circuit

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)