



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	DC
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 800 A (<= 55 °C) AC AC-3 for power circuit
Motor power kW	250 kW at 220...230 V AC 50/60 Hz 450 kW at 1000 V AC 50/60 Hz 450 kW at 380...400 V AC 50/60 Hz 450 kW at 415 V AC 50/60 Hz 450 kW at 440 V AC 50/60 Hz 450 kW at 500 V AC 50/60 Hz 475 kW at 660...690 V AC 50/60 Hz
Motor power hp	350 hp at 200/208 V AC 60 Hz conforming to CSA 350 hp at 200/208 V AC 60 Hz conforming to UL 400 hp at 230/240 V AC 60 Hz conforming to CSA 400 hp at 230/240 V AC 60 Hz conforming to UL 900 hp at 460/480 V AC 60 Hz conforming to CSA 900 hp at 460/480 V AC 60 Hz conforming to UL 900 hp at 575/600 V AC 60 Hz conforming to CSA 900 hp at 575/600 V AC 60 Hz conforming to UL
[Uc] control circuit voltage	220 V DC
Connections - terminals	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	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	0.3...0.5 U _c at <= 55 °C drop-out 0.85...1.1 U _c at <= 55 °C operational
[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
[Ith] conventional free air thermal current	1000 A at <= 40 °C for power circuit
Irms rated making capacity	8000 A at <= 1000 V AC for power circuit conforming to IEC 60497-4-1
Rated breaking capacity	6400 A at <= 1000 V for power circuit conforming to IEC 60497-4-1
Associated fuse rating	1000 A gG at <= 440 V for power circuit 800 A aM at <= 440 V for power circuit
Average impedance	0.12 mOhm at 50 Hz - Ith 1000 A for power circuit
Power dissipation per pole	120 W AC-3 77 W AC-1
Inrush power in W	1900 W at 20 °C
Hold-in power consumption in W	12 W at 20 °C
Operating time	40...50 ms on opening 60...80 ms on closing
Mechanical durability	5000000 cycles
Operating rate	600 cyc/h at <= 55 °C
Height	304 mm
Width	309 mm
Depth	255 mm
Product weight	18.75 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 Uc
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

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