

LC1F115M5

contactor TeSys LC1-F - 3 poles - 115 A - AC-3
- 440V - coil 220 V AC



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	115 A ($\leq 55^{\circ}\text{C}$) AC AC-3 for power circuit 200 A ($\leq 40^{\circ}\text{C}$) AC AC-1 for power circuit
Motor power kW	30 kW at 220...230 V AC 50/60 Hz 55 kW at 380...400 V AC 50/60 Hz 59 kW at 415 V AC 50/60 Hz 59 kW at 440 V AC 50/60 Hz 65 kW at 1000 V AC 50/60 Hz 75 kW at 500 V AC 50/60 Hz 80 kW at 660...690 V AC 50/60 Hz
[Uc] control circuit voltage	220 V AC 50 Hz
Connections - terminals	Connector power circuit: 1 cable 95 mm ² Ring lugs power circuit: 1 cable 95 mm ² 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	0.35...0.55 Uc at $\leq 55^{\circ}\text{C}$ drop-out 50 Hz 0.35...0.55 Uc at $\leq 55^{\circ}\text{C}$ drop-out 60 Hz 0.85...1.1 Uc at $\leq 55^{\circ}\text{C}$ operational 50 Hz 0.85...1.1 Uc at $\leq 55^{\circ}\text{C}$ operational 60 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: 10 N.m - on bars Power circuit: 10 N.m - on connector - cable 95 mm ² Power circuit: 10 N.m - on ring lugs - cable 95 mm ² 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

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