



Main

Range of product	TeSys F
Product or component type	Contacteur
Device short name	LC1F
Contacteur application	Motor control Ohmic load
Utilisation category	AC-1 AC-3
Poles description	3P
Pole contact composition	3 NO
[Ie] rated operational current	150 A ≤ 55 °C AC AC-3 power circuit 250 A ≤ 40 °C AC AC-1 power circuit
Motor power kW	40 kW 220...230 V AC 50/60 Hz 65 kW 1000 V AC 50/60 Hz 75 kW 380...400 V AC 50/60 Hz 80 kW 415 V AC 50/60 Hz 80 kW 440 V AC 50/60 Hz 90 kW 500 V AC 50/60 Hz 100 kW 660...690 V AC 50/60 Hz

Complementary

Protective cover	With
Mounting mode	Fixed
Mounting support	Plate Rail
Connections - terminals	Bars power circuit 2 25 x 3 mm Connector power circuit 1 120 mm ² Lug power circuit 1 120 mm ²
Tightening torque	18 N.m power circuit bars 18 N.m power circuit lug 120 mm ² 18 N.m power circuit connector 120 mm ²
[Ue] rated operational voltage	≤ 1000 V AC 16 Hz 2/3...200 Hz power circuit
[Ith] conventional free air thermal current	250 A ≤ 40 °C power circuit
Irms rated making capacity	1500 A ≤ 1000 V AC power circuit IEC 60947-4-1
Rated breaking capacity	1200 A ≤ 1000 V power circuit IEC 60947-4-1
Permissible short-time rating	350 A ≤ 40 °C 10 min power circuit 450 A ≤ 40 °C 3 min power circuit 600 A ≤ 40 °C 1 min power circuit 700 A ≤ 40 °C 30 s power circuit 1200 A ≤ 40 °C 10 s power circuit
Associated fuse rating	160 A aM ≤ 440 V power circuit 200 A gG ≤ 440 V power circuit 250 A gG ≤ 440 V power circuit
Average impedance	0,35 mOhm 50 Hz 250 A power circuit
Power dissipation per pole	8 W AC-3 250 A 22 W AC-1 250 A
Mechanical durability	10000000 cycles
Height	170 mm
Width	163,5 mm
Depth	171 mm
Product weight	3,43 kg

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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 LROS (Lloyds register of shipping) RINA RMR0S UL
IP degree of protection	IP2x IEC 60529 IP2x VDE 0106
Protective treatment	TH
Ambient air temperature for operation	-5...55 °C
Ambient air temperature for storage	-60...80 °C
Operating altitude	3000 m without
Shock resistance	9 gn contactor opened 15 gn contactor closed
Vibration resistance	2 gn contactor opened 5...300 Hz 6 gn contactor closed 5...300 Hz
RoHS EUR conformity date	0843
RoHS EUR status	Compliant