



Main

Range of product	TeSys F
Product or component type	Contactors
Device short name	LC1F
Contactors application	Ohmic load
Utilisation category	AC-1

Complementary

Protective cover	With
Mounting mode	Fixed
Mounting support	Plate Rail
Tightening torque	10 N.m power circuit: - on bars 10 N.m power circuit: - on connector - cable 95 mm ² 10 N.m power circuit: - on lug - cable 95 mm ²
[Ue] rated operational voltage	<= 1000 V AC 16 Hz 2/3...200 Hz for power circuit
[Ith] conventional free air thermal current	200 A at <= 40 °C for power circuit
Permissible short-time rating	1100 A (<= 40 °C) - short time current duration: 10 s - for power circuit 320 A (<= 40 °C) - short time current duration: 10 min - for power circuit 400 A (<= 40 °C) - short time current duration: 3 min - for power circuit 520 A (<= 40 °C) - short time current duration: 1 min - for power circuit 640 A (<= 40 °C) - short time current duration: 30 s - for power circuit
Associated fuse rating	125 A aM at <= 440 V for power circuit 200 A gG at <= 440 V for power circuit
Average impedance	0.37 mOhm at 50 Hz - Ith 200 A for power circuit
Power dissipation per pole	15 W AC-1 - Ith 200 A
Mechanical durability	10000000 cycles
Height	162 mm
Width	200.5 mm
Depth	171 mm
Product weight	3.83 kg

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Environment

Poles description	4P
Pole contact composition	4 NO
[I _e] rated operational current	200 A (<= 40 °C) AC network AC-1 for power circuit
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 conforming to IEC 60529 IP2x conforming to 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 derating in temperature
Shock resistance	15 gn contactor closed 9 gn contactor opened
Vibration resistance	2 gn contactor opened 5...300 Hz 6 gn contactor closed 5...300 Hz
Connections - terminals	Bars power circuit: 2 Connector power circuit: 1 cable 95 mm ² Lug power circuit: 1 cable 95 mm ²