## LC1F1000V7

contactor, TeSys F, 3P(3NO), AC-3, <=440V 1000 A, coil 400 V AC



Main	
Range	TeSys
Range of product	TeSys F
Product or component type	Contactor
Device short name	LC1F
Contactor application	Resistive load Motor control
Utilisation category	AC-3 AC-1
Poles description	3P
[Ue] rated operational voltage	<= 440 V AC 50/60 Hz
[Uc] control circuit voltage	400 V AC 40400 Hz
[le] rated operational current	1250 A (at <40 °C) at <= 440 V AC AC-1 1000 A (at <55 °C) at <= 440 V AC AC-3

## Complementary

[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	1250 A (at 40 °C)
Rated breaking capacity	8 kA conforming to IEC 60947-4-1
[lcw] rated short-time withstand current	10000 A 40 °C - 10 s 7500 A 40 °C - 30 s 5500 A 40 °C - 1 min 4200 A 40 °C - 3 min 3000 A 40 °C - 10 min
Associated fuse rating	2000 A gG at <= 440 V
Average impedance	0.1 mOhm - Ith 1250 A 50 Hz
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-4-1 1500 V conforming to VDE 0110 group C
Power dissipation per pole	200 W AC-1
Overvoltage category	III
Power pole contact composition	3 NO
Maximum operating rate	600 cyc/h 55 °C
Operating time	4080 ms closing 100200 ms opening
Connections - terminals	Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm²flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm²flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm²solid without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm²solid without cable end Power circuit: bar 3 cable(s) Power circuit: bar 4 cable(s)
Mounting support	Plate
Motor power range	315 KW at 220230 V 3 phases 560 KW at 380400 V 3 phases 630 KW at 415 V 3 phases 670 kW at 440 V 3 phases
Motor starter type	Direct on-line contactor

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Contactor coil voltage	400 V AC standard
Standards	EN 60947-1
	EN 60947-4-1
	IEC 60947-1
	IEC 60947-4-1
Product certifications	CSA[RETURN]CCC[RETURN]CB[RETURN]UKCA
Compatibility code	LC1F
Control circuit type	AC at 40400 Hz

## Environment

IP degree of protection	IP20 front face with shrouds conforming to IEC 60529 IP20 front face with shrouds conforming to VDE 0106
Protective treatment	TH
Ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-6080 °C
Permissible ambient air temperature around the device	-4060 °C
Height	332 mm
Width	438 mm
Depth	238.6 mm
Operating altitude	3000 m without derating
Net weight	31 kg

## Offer Sustainability

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Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
RoHS exemption information	€Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins