LC1F2600P7

contactor, TeSys F, 3P(3NO), AC1, <=1000V AC 2600 A, coil 230V AC



Mairi	
Range	TeSys
Range of product	TeSys F
Product or component type	Contactor
Device short name	LC1F
Contactor application	Resistive load
Utilisation category	AC-1
Poles description	3P
[Ue] rated operational	<= 1000 V AC 50/60 Hz

voltage
[Uc] control circuit 230 V AC 40...400 Hz

[le] rated operational 2600 A (at <60 °C) AC AC-1 current

Complementary

Complementary	
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	2600 A (at 60 °C)
Rated breaking capacity	3900 A conforming to IEC 60947-4-1
[lcw] rated short-time withstand current	12000 A 40 °C - 10 s 9000 A 40 °C - 30 s 7000 A 40 °C - 1 min 6000 A 40 °C - 3 min 4000 A 40 °C - 10 min
Associated fuse rating	2500 A gG at <= 440 V
Average impedance	0.1 mOhm - Ith 2600 A 50 Hz
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-4-1 1000 V conforming to UL 60947-4-1
Power dissipation per pole	250 W AC-1
Overvoltage category	III
Power pole contact composition	3 NO
Control circuit voltage limits	Operational: 0.851.1 Uc 40400 Hz (at 55 °C) Drop-out: 0.30.5 Uc 40400 Hz (at 55 °C)
Inrush power in VA	2500 VA, 40400 Hz cos phi 0.9 (at 20 °C)
Hold-in power consumption in VA	45 VA, 40400 Hz cos phi 0.9 (at 20 °C)
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) - busbar cross section: 100 x 10 mm
Tightening torque	Control circuit: 1.2 N.m Power circuit: 58 N.m
Mounting support	Plate

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not interested for a set of for determining suitability or intelability of these products for specific user applications. It is the documentation is not integrator to perform the appropriate and complete risk analysis, evaluating of the products with respect to the relevant specific application or use thereof. Neither Schmeider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Heat dissipation

40 W

EN 60947-4-1
IEC 60947-1
IEC 60947-4-1
EN 60947-1 JIS C8201-4-1
CSA C22.2 No 60947-4-1
СВ
Scheme[RETURN]CCC[RETURN]CSA[RETURN]UL[RETURN]UKCA[RETURN]EAC
LC1F
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	382 mm
Width	519 mm
Depth	251 mm
Operating altitude	3000 m without derating
Net weight	36 kg

Offer Sustainability

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

