Specifications



contactor, TeSys F, 3P(3NO), AC-1, <=690V 1260 A, coil 220V AC

LC1F1250M7

Main

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 voltage	<= 460 V DC <= 690 V AC 50/60 Hz
[Uc] control circuit voltage	220 V AC 40400 Hz
[le] rated operational current	1260 A (at <40 °C) AC-1

Complementary

[Uimp] rated impulse withstand voltage	8 kV	
[Ith] conventional free air thermal current	1260 A (at 40 °C)	
Rated breaking capacity	1890 A conforming to IEC 60947-4-1	
[Icw] rated short-time withstand current	3000 A 40 °C - 3 min 8000 A 40 °C - 10 s 5200 A 40 °C - 30 s 4000 A 40 °C - 1 min 2000 A 40 °C - 10 min	
Associated fuse rating	1000 A gG at <= 440 V	
Average impedance	0.12 mOhm - Ith 1260 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	120 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: 0.250.5 Uc 40400 Hz (at 55 °C)	
Inrush power in VA	1650 VA, 40400 Hz cos phi 0.9 (at 20 °C)	
Hold-in power consumption in VA	22 VA, 40400 Hz cos phi 0.9 (at 20 °C)	
Maximum operating rate	1200 cyc/h 55 °C	
Operating time	4080 ms closing 100200 ms opening	

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Connections - terminals	Control circuit: screw clamp terminals 1 cable(s) 14 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm ² flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm ² solid without cable end Power circuit: bar 2 cable(s) - busbar cross section: 100 x 5 mm Power circuit: bolted connection	
Tightening torque	Control circuit: 1.2 N.m Power circuit: 58 N.m	
Mounting support	Plate	
Heat dissipation	20 W	
Standards	EN 60947-4-1 IEC 60947-4-1 IEC 60947-1 EN 60947-1 JIS C8201-4-1	
Product certifications	CB UL CSA CQC CE UKCA CCC	
Compatibility code	LC1F	
Control circuit type	AC at 40400 Hz	

Environment

Protective treatment	тн
ambient air temperature for operation	-540 °C
Ambient air temperature for storage	-6080 °C
Permissible ambient air temperature around the device	-4060 °C
Height	338 mm
Width	309 mm
Depth	255 mm
Operating altitude	3000 m without derating
Net weight	19 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	33.0 cm
Package 1 Width	37.0 cm
Package 1 Length	44.0 cm
Package 1 Weight	20.1 kg

Contractual warranty

Warranty

18 months

C Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability \geq

${\mathcal Q}$ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	12476
Environmental Disclosure	Product Environmental Profile

Use Better

Iteration and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
REACh Regulation	REACh Declaration

Use Again

$^{\circlearrowright}$ Repack and remanufacture		
Take-back	No	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	

Technical Illustration

Assembly's dimensions

