Product datasheet

Specifications

contactor, TeSys F, 3P(3NO,) AC-1, <=440V 1200A, coil 220V DC

LC1SF1200MD

Discontinued on: Jun 30, 2023

Discontinued

Main

Range of product	TeSys F
Product or component type	Contactor
Device short name	LC1SF
Contactor application	Resistive load
Utilisation category	AC-1
Poles description	3P
[Ue] rated operational voltage	<= 690 V AC 50/60 Hz
[Uc] control circuit voltage	220 V DC
[Ie] rated operational current	1200 A (at <40 °C) at <= 440 V AC-1 1110 A (at <60 °C) at <= 440 V AC-1 1020 A (at <70 °C) at <= 440 V AC-1

Complementary

[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	1200 A (at 40 °C)
Rated breaking capacity	1800 A conforming to IEC 60497-4-1
[Icw] rated short-time withstand current	8000 A 40 °C - 10 s 5200 A 40 °C - 30 s 4000 A 40 °C - 1 min 3000 A 40 °C - 3 min 2000 A 40 °C - 10 min
Associated fuse rating	1400 A gG at <= 440 V
Average impedance	0.1 mOhm - Ith 1200 A 50 Hz
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-4-1
Power dissipation per pole	120 W AC-1
Overvoltage category	III
power pole contact composition	3 NO
Irms rated making capacity	1800 A conforming to IEC 60497-4-1
Control circuit voltage limits	Operational: 0.85...1.1 Un (at 55 °C) Drop-out: 0.2...0.35 Uc (at 55 °C)
Mechanical durability	0.5 Mcycles
Inrush power in W	990…1220 W (at 20 °C)
Maximum operating rate	1200 cyc/h 55 °C

Operating time	45...60 ms on opening 50...60 ms on closing
Connections - terminals	Power circuit: bar 2 - busbar cross section: 50 x 8 mm Control circuit: screw clamp terminals 1 0.2…2.5 mm² - cable stiffness: solid Control circuit: screw clamp terminals 1 0.2…2.5 mm² - cable stiffness: flexible without cable end
Tightening torque	Power circuit: 58 N.m Control circuit: 0.6 N.m
Mounting support	Plate
Standards	IEC 60947-1 IEC 60947-4-1
Product certifications	CCC CB
Compatibility code	LC1F
Hold-in power consumption in W	4.54…8 W at 20 °C

Environment

Protective treatment	TH
Ambient air temperature for operation	-5…60 °C
Ambient air temperature for storage	-60…80 °C
Permissible ambient air temperature around the device	-40…70 °C
Height	338 mm
Width	233 mm
Depth	232 mm
Product weight	13.4 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	23.3 cm
Package 1 Width	33.8 cm
Package 1 Length	23.2 cm
Package 1 Weight	14.1 kg
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Height	75.0 cm
Package 2 Width	80.0 cm
Package 2 Length	60.0 cm
Package 2 Weight	53.6 kg

Contractual warranty

Warranty (in months)	18

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 >

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant By Exemption

Use Longer

Lifetime extension

Repair	No

Use Again

Repack and remanufacture

WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins