Product data sheet

Specifications

contactor, TeSys F, 3P(3NO), AC1, <=1000V AC 2600 A, coil 220V DC

LC1F2600MD

Product availability: Non-Stock - Not normally stocked in distribution facility

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	<= 1000 V AC 50/60 Hz
[Uc] control circuit voltage	220 V DC
[Ie] rated operational current	2600 A (at <140 °F (60 °C)) AC AC-1

Complementary

[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	2600 A (at 140 °F (60 °C))
Rated breaking capacity	3900 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	12000 A 104 °F (40 °C) - 10 s 9000 A 104 °F (40 °C) - 30 s 7000 A 104 °F (40 °C) - 1 min 6000 A 104 °F (40 °C) - 3 min 4000 A 104 °F (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 IEC 60947-4-1 1000 V 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 0.85...1.1 Uc 131 °F (55 °C)) Drop-out 0.2...0.35 Uc 131 °F (55 °C))
Inrush power in W	2600 W 68 °F (20 °C))
Hold-in power consumption in W	18 W 68 °F (20 °C)
Maximum operating rate	600 cyc/h 131 °F (55 °C)
Operating time	60...70 ms closing 40...50 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 0.002…0.006 in² (1…4 mm²)flexible without cable end Control circuit screw clamp terminals 2 0.002…0.006 in² (1…4 mm²)flexible without cable end Control circuit screw clamp terminals 1 0.002…0.006 in² (1…4 mm²)flexible with cable end Control circuit screw clamp terminals 2 0.002…0.004 in² (1…2.5 mm²)flexible with cable end Control circuit screw clamp terminals 1 0.002…0.006 in² (1…4 mm²)solid without cable end Control circuit screw clamp terminals 2 0.002…0.006 in² (1…4 mm²)solid without cable end Power circuit bar 3 100 x 10 mm
Tightening torque	Control circuit 10.6 lbf.in (1.2 N.m) Power circuit 513.3 lbf.in (58 N.m)
Mounting Support	Plate
Heat dissipation	40 W
Standards	EN 60947-4-1 IEC 60947-1 IEC 60947-4-1 EN 60947-1 JIS C8201-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product Certifications	CB Scheme CCC CSA UL UKCA EAC
Compatibility code	LC1F
Control circuit type	DC standard

Environment

IP degree of protection	IP20 front face with shrouds IEC 60529 IP20 front face with shrouds VDE 0106
Protective treatment	TH
Ambient Air Temperature for Operation	23…104 °F (-5…40 °C)
Ambient Air Temperature for Storage	-76…176 °F (-60…80 °C)
Permissible ambient air temperature around the device	-40…140 °F (-40…60 °C)
Height	15.04 in (382 mm)
Width	20.4 in (519 mm)
Depth	9.9 in (251 mm)
Operating altitude	9842.52 ft (3000 m) without derating
Net Weight	79.4 lb(US) (36 kg)

Ordering and shipping details

Category	US10I1222336
Discount Schedule	0I12
GTIN	3606480795398
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	15.0 in (38.0 cm)
Package 1 Width	19.7 in (50.0 cm)
Package 1 Length	23.6 in (60.0 cm)
Package weight(Lbs)	81.6 lb(US) (37.0 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 >

Environmental footprint

Total lifecycle Carbon footprint	**44 456 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**252 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**15 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.3 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**44 123 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**66 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards**
EU RoHS Directive	**Compliant with Exemptions**
SCIP Number	**F040462c-f312-4a6d-9d16-164be5751a29**
REACh Regulation	**REACh Declaration**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**84**
Circularity Profile	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**