

Product datasheet

Specifications



Contactor, TeSys F, 3P(3NO), AC-1 ≤1000V 2600A, 100...250V AC/DC coil

LC1F2600KUE

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	100...250 V AC 50/60 Hz 100...250 V DC
[Ie] rated operational current	2600 A (at ≤60 °C) AC-1

Complementary

[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	2600 A (at 40 °C)
Rated breaking capacity	3900 A conforming to IEC 60947-4-1
[Icw] 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
Irms rated making capacity	3900 A conforming to IEC 60947-4-1
Control circuit voltage limits	Operational: 85...275 V AC/DC (at 55 °C) Drop-out: 0...65 V AC 50/60 Hz (at 55 °C) Drop-out: 0...51 V DC (at 55 °C)
Mechanical durability	0.5 Mcycles
Inrush power in VA	1100...2300 VA, 50/60 Hz cos phi 0.5 (at 20 °C)
Inrush power in W	1300...2400 W (at 20 °C)

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Hold-in power consumption in W	14...18 W at 20 °C
Hold-in power consumption in VA	21.1...24.5 VA, 50/60 Hz cos phi 0.5 (at 20 °C)
Maximum operating rate	600 cyc/h 55 °C
Operating time	54...88 ms closing 20...28 ms opening
Connections - terminals	Power circuit: bar 3 cable(s) - busbar cross section: 100 x 10 mm Control circuit: screw clamp terminals 1 cable(s) 0.2...2.5 mm²solid Control circuit: screw clamp terminals 1 cable(s) 0.2...2.5 mm²flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 0.25...2.5 mm²flexible with cable end
Tightening torque	Power circuit: 52.2...63.8 N.m Control circuit: 0.5...0.6 N.m
Mounting support	Plate
Input compatibility	PLC 24 V DC conforming to IEC 61131-2 Type 2
Input voltage limits	0...5 V off-state for PLC input 11...30 V on-state for PLC input
Heat dissipation	16...20 W
Standards	EN/IEC 60947-4-1 EN/IEC 60947-1 JIS C8201-4-1 UL 60947-4-1
Product certifications	CB Scheme CCC UL UKCA EAC
Compatibility code	LC1F
Control circuit type	AC at 50/60 Hz electronic DC electronic

Environment

Ambient air temperature for operation	-5...40 °C
Ambient air temperature for storage	-60...80 °C
Permissible ambient air temperature around the device	-40...60 °C
Height	382 mm
Width	519 mm
Depth	251 mm
Operating altitude	3000 m without derating
Net weight	36 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	38.0 cm
Package 1 Width	50.0 cm
Package 1 Length	60.0 cm
Package 1 Weight	37.22 kg

Contractual warranty

Warranty (in months)	18
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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	42 926 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]	42 594 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
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Use Again



Repack and remanufacture

End of life manual availability	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