Product datasheet

Specifications

TeSys F Contactor - 3P (3 NO) - AC1 - <= 1000 V AC 2600 A - coil 440 V AC

LC1F2600R7

Discontinued on: 10 Jun 2022

End-of-service on: 26 Nov 2024

Discontinued

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	440 V AC 40...400 Hz
[Ie] rated operational current	2600 A (at <60 °C) AC AC-1

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
[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
Control circuit voltage limits	Operational: 0.85...1.1 Uc 40...400 Hz (at 55 °C) Drop-out: 0.3...0.5 Uc 40...400 Hz (at 55 °C)
Inrush power in VA	2500 VA, 40...400 Hz cos phi 0.9 (at 20 °C)
Hold-in power consumption in VA	45 VA, 40...400 Hz cos phi 0.9 (at 20 °C)
Maximum operating rate	600 cyc/h 55 °C

Operating time	40...80 ms closing 100...200 ms opening
Connections - terminals	Control circuit: screw clamp terminals 1 cable(s) 1…4 mm²flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1…4 mm²flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1…4 mm²flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1…2.5 mm²flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1…4 mm²solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1…4 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
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	AC at 40...400 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	-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

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

Environmental Disclosure	Product Environmental Profile

Use Longer

Lifetime extension

Repair	No

Use Again

Repack and remanufacture

End of life manual availability	End of Life Information
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins