

# Product datasheet

Specifications



## TeSys F Contactor - 3P (3 NO) - AC1 - $\leq 1000$ V AC 2600 A - coil 125 V DC

LC1F2600GD

! Discontinued

! Discontinued on: 10 Jun 2022

! End-of-service on: 26 Nov 2024

## Main

Range	TeSys
Range of product	TeSys F
Product or component type	Contacteur
Device short name	LC1F
Contacteur application	Resistive load
Utilisation category	AC-1
Poles description	3P
[Ue] rated operational voltage	$\leq 1000$ V AC 50/60 Hz
[Uc] control circuit voltage	125 V DC
[Ie] rated operational current	2600 A (at $\leq 60$ °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 $\leq 440$ 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 U <sub>c</sub> (at 55 °C) Drop-out: 0.2...0.35 U <sub>c</sub> (at 55 °C)
Inrush power in W	2600 W (at 20 °C)
Hold-in power consumption in W	18 W at 20 °C
Maximum operating rate	600 cyc/h 55 °C

<b>Operating time</b>	60...70 ms closing 40...50 ms opening
<b>Connections - terminals</b>	Control circuit: screw clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm <sup>2</sup> solid without cable end Power circuit: bar 3 cable(s) - busbar cross section: 100 x 10 mm
<b>Tightening torque</b>	Control circuit: 1.2 N.m Power circuit: 58 N.m
<b>Mounting support</b>	Plate
<b>Heat dissipation</b>	40 W
<b>Standards</b>	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
<b>Product certifications</b>	CB Scheme CCC CSA UL UKCA EAC
<b>Compatibility code</b>	LC1F
<b>Control circuit type</b>	DC standard

## Environment

<b>IP degree of protection</b>	IP20 front face with shrouds conforming to IEC 60529 IP20 front face with shrouds conforming to VDE 0106
<b>Protective treatment</b>	TH
<b>Ambient air temperature for operation</b>	-5...40 °C
<b>Ambient air temperature for storage</b>	-60...80 °C
<b>Permissible ambient air temperature around the device</b>	-40...60 °C
<b>Height</b>	382 mm
<b>Width</b>	519 mm
<b>Depth</b>	251 mm
<b>Operating altitude</b>	3000 m without derating
<b>Net weight</b>	36 kg

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1

## Contractual warranty

<b>Warranty (in months)</b>	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