

# Product datasheet

Specifications



## TeSys F Contactor - 3P (3 NO) - AC1 - <= 1000 V AC 2600 A - coil 220 V DC

LC1F2600MD

### 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 <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 (at 55 °C) Drop-out: 0.2...0.35 Uc (at 55 °C)
Inrush power in W	2600 W (at 20 °C)
Hold-in power consumption in W	18 W at 20 °C

<b>Maximum operating rate</b>	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
<b>Package 1 Height</b>	38.0 cm
<b>Package 1 Width</b>	50.0 cm
<b>Package 1 Length</b>	60.0 cm
<b>Package 1 Weight</b>	37.0 kg

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
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<b>REACh Regulation</b>	<a href="#">REACh Declaration</a>
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

### **Recommended replacement(s)**