

# Product datasheet

Specifications



contactor, TeSys F, 3P(3NO), AC1,  
 $\leq 1000\text{V AC } 2600\text{ A}$ , coil  $230\text{V AC}$

LC1F2600P7

## 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	$\leq 1000\text{ V AC } 50/60\text{ Hz}$
[Uc] control circuit voltage	$230\text{ V AC } 40\dots 400\text{ Hz}$
[Ie] rated operational current	$2600\text{ A (at } <60\text{ }^\circ\text{C) AC AC-1}$

## Complementary

[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	$2600\text{ A (at } 60\text{ }^\circ\text{C)}$
Rated breaking capacity	$3900\text{ A conforming to IEC 60947-4-1}$
[Icw] rated short-time withstand current	$12000\text{ A } 40\text{ }^\circ\text{C} - 10\text{ s}$ $9000\text{ A } 40\text{ }^\circ\text{C} - 30\text{ s}$ $7000\text{ A } 40\text{ }^\circ\text{C} - 1\text{ min}$ $6000\text{ A } 40\text{ }^\circ\text{C} - 3\text{ min}$ $4000\text{ A } 40\text{ }^\circ\text{C} - 10\text{ min}$
Associated fuse rating	$2500\text{ A gG at } \leq 440\text{ V}$
Average impedance	$0.1\text{ m}\Omega - I_{th} 2600\text{ A } 50\text{ Hz}$
[Ui] rated insulation voltage	$1000\text{ V conforming to IEC 60947-4-1}$ $1000\text{ V conforming to UL 60947-4-1}$
Power dissipation per pole	$250\text{ W AC-1}$
Overvoltage category	III
power pole contact composition	3 NO
Control circuit voltage limits	Operational: $0.85\dots 1.1\text{ Uc } 40\dots 400\text{ Hz (at } 55\text{ }^\circ\text{C)}$ Drop-out: $0.3\dots 0.5\text{ Uc } 40\dots 400\text{ Hz (at } 55\text{ }^\circ\text{C)}$
Inrush power in VA	$2500\text{ VA, } 40\dots 400\text{ Hz cos phi } 0.9\text{ (at } 20\text{ }^\circ\text{C)}$
Hold-in power consumption in VA	$45\text{ VA, } 40\dots 400\text{ Hz cos phi } 0.9\text{ (at } 20\text{ }^\circ\text{C)}$
Maximum operating rate	$600\text{ cyc/h } 55\text{ }^\circ\text{C}$
Operating time	$40\dots 80\text{ ms closing}$ $100\dots 200\text{ ms opening}$

<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>	AC at 40...400 Hz

## 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

## Contractual warranty

<b>Warranty (in months)</b>	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	<a href="#">Product Environmental Profile</a>
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
SCIP Number	F040462c-f312-4a6d-9d16-164be5751a29
EU RoHS Directive	<a href="#">Compliant By Exemption</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>

### Use Longer

#### Lifetime extension

Repair	No
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### Use Again

#### Repack and remanufacture

Recyclability potential, in %	84
End of life manual availability	<a href="#">End of Life Information</a>
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