

# Product data sheet

Specifications



## Contact, TeSys F, 3P(3NO), AC-3 ≤440V 185A, 380V AC coil

LC1F185Q7

⚠ Discontinued on: Dec 23, 2025

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Product availability: Stock - Normally stocked in distribution facility

## Main

Range	TeSys
Range of Product	TeSys F
Product or Component Type	Contact
Device short name	LC1F
Contact application	Resistive load Motor control
Utilisation category	AC-3 AC-4 AC-1
Poles description	3P
[Ue] rated operational voltage	≤ 460 V DC ≤ 690 V AC 50/60 Hz
[Uc] control circuit voltage	380 V AC 40...400 Hz
[Ie] rated operational current	275 A (at <104 °F (40 °C)) at ≤ 440 V AC-1 185 A (at <131 °F (55 °C)) at ≤ 440 V AC-3

## Complementary

[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	275 A (at 104 °F (40 °C))
Rated breaking capacity	1480 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	1500 A 104 °F (40 °C) - 10 s 920 A 104 °F (40 °C) - 30 s 740 A 104 °F (40 °C) - 1 min 500 A 104 °F (40 °C) - 3 min 400 A 104 °F (40 °C) - 10 min
Associated fuse rating	200 A aM at ≤ 440 V 315 A gG at ≤ 440 V
Average impedance	0.33 mOhm - Ith 275 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power dissipation per pole	12 W AC-3 25 W AC-1
Overvoltage category	III
power pole contact composition	3 NO

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Motor power kW</b>	90 kW at 380...400 V AC 50/60 Hz (AC-3) 100 kW at 415 V AC 50/60 Hz (AC-3) 100 kW at 440 V AC 50/60 Hz (AC-3) 110 kW at 500 V AC 50/60 Hz (AC-3) 110 kW at 660...690 V AC 50/60 Hz (AC-3) 55 kW at 220...230 V AC 50/60 Hz (AC-3) 33 kW at 400 V AC 50/60 Hz (AC-4)
<b>Control circuit voltage limits</b>	Operational 0.85...1.1 Uc 40...400 Hz 131 °F (55 °C)) Drop-out 0.2...0.55 Uc 40...400 Hz 131 °F (55 °C))
<b>Mechanical durability</b>	10 Mcycles
<b>Inrush power in VA</b>	1070 VA, 40...400 Hz 0.9 68 °F (20 °C))
<b>Hold-in power consumption in VA</b>	9.9 VA, 40...400 Hz 0.9 68 °F (20 °C))
<b>Maximum operating rate</b>	2400 cyc/h 131 °F (55 °C)
<b>Operating time</b>	35 ms closing at Uc) 130 ms opening at Uc)
<b>Connections - terminals</b>	Control circuit screw clamp terminals 1 0.002...0.006 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible without cable end Control circuit screw clamp terminals 2 0.002...0.006 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible without cable end Control circuit screw clamp terminals 1 0.002...0.006 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible with cable end Control circuit screw clamp terminals 2 0.002...0.004 in <sup>2</sup> (1...2.5 mm <sup>2</sup> )flexible with cable end Control circuit screw clamp terminals 1 0.002...0.006 in <sup>2</sup> (1...4 mm <sup>2</sup> )solid without cable end Control circuit screw clamp terminals 2 0.002...0.006 in <sup>2</sup> (1...4 mm <sup>2</sup> )solid without cable end Power circuit bar 2 25 x 3 mm Power circuit lugs-ring terminals 1 0.2 in <sup>2</sup> (150 mm <sup>2</sup> ) Power circuit connector 1 0.2 in <sup>2</sup> (150 mm <sup>2</sup> ) Power circuit bolted connection
<b>Tightening torque</b>	Control circuit 10.6 lbf.in (1.2 N.m) Power circuit 159.3 lbf.in (18 N.m)
<b>Mounting Support</b>	Plate
<b>Heat dissipation</b>	8...9.8 W
<b>Standards</b>	EN 60947-1 IEC 60947-1 IEC 60947-4-1 JIS C8201-4-1 EN 60947-4-1
<b>Product Certifications</b>	RINA LROS (Lloyds register of shipping) DNV BV ABS CCC RMRoS UL CB UKCA
<b>Compatibility code</b>	LC1F
<b>Control circuit type</b>	AC 40...400 Hz

## Environment

<b>IP degree of protection</b>	IP2X front face with shrouds IEC 60529 IP2X front face with shrouds VDE 0106
<b>Protective treatment</b>	TH
<b>Ambient Air Temperature for Operation</b>	23...131 °F (-5...55 °C)
<b>Ambient Air Temperature for Storage</b>	-76...176 °F (-60...80 °C)

Permissible ambient air temperature around the device	-40...158 °F (-40...70 °C)
Height	6.9 in (174 mm)
Width	6.6 in (168.5 mm)
Depth	7.1 in (181 mm)
Operating altitude	9842.52 ft (3000 m) without derating
Net Weight	10.25 lb(US) (4.65 kg)

## Ordering and shipping details

Category	US1011222336
Discount Schedule	0112
GTIN	3389110351569
Returnability	Yes
Country of origin	CZ

## Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	8.268 in (21.000 cm)
Package 1 Width	8.661 in (22.000 cm)
Package 1 Length	9.252 in (23.500 cm)
Package weight(Lbs)	10.805 lb(US) (4.901 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	2
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	15.748 in (40.000 cm)
Package 2 Length	23.622 in (60.000 cm)
Package 2 Weight	23.043 lb(US) (10.452 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	12
Package 3 Height	29.528 in (75.000 cm)
Package 3 Width	31.496 in (80.000 cm)
Package 3 Length	23.622 in (60.000 cm)
Package 3 Weight	155.893 lb(US) (70.712 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

Carbon footprint (kg CO2 eq, Total Life cycle) 778

Environmental Disclosure [Product Environmental Profile](#)

## Use Better



### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic No

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number B2d4179a-eb65-40a3-a1ef-d9a33060486f

REACH Regulation [REACH Declaration](#)

California proposition 65 **WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

PVC free Yes

## Use Longer



### Lifetime extension

Repair No

## Use Again



### Repack and remanufacture

Circularity Profile [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.