

# Product data sheet

Specifications



## TeSys F reversing contactor - 3P(3 NO) AC-3 <= 440 V 150 A - without coil

LC2F150

⚠ Discontinued on: Jun 30, 2024

⚠ To be discontinued

Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 2,866.00 USD

### Main

Range	TeSys
Product name	TeSys F
Product or Component Type	Reversing contactor
Device short name	LC2F
contactor application	Resistive load Motor control
Utilisation category	AC-3 AC-1
device presentation	Preassembled with reversing power busbar
poles description	3P
power pole contact composition	3 NO
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[Ie] rated operational current	250 A (at <104.000000000 °F (40 °C)) at <= 440 V AC AC-1 150 A (at <131.000000000 °F (55 °C)) at <= 440 V AC AC-3
Motor power kW	65 kW 1000 V AC 50/60 Hz 75 kW 380...400 V AC 50/60 Hz 80 kW 415 V AC 50/60 Hz 80 kW 440 V AC 50/60 Hz 90 kW 500 V AC 50/60 Hz 40 kW 220...240 V AC 50/60 Hz 100 kW 660...690 V AC 50/60 Hz
Auxiliary contact composition	1 NO
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	250 A (at 104 °F (40 °C))
Irms rated making capacity	1500 A AC conforming to IEC 60947-4-1
Rated breaking capacity	1200 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	1200 A 104.000000000 °F (40 °C) - 10 s 700 A 104.000000000 °F (40 °C) - 30 s 600 A 104.000000000 °F (40 °C) - 1 min 450 A 104.000000000 °F (40 °C) - 3 min 350 A 104.000000000 °F (40 °C) - 10 min
Associated fuse rating	160 A aM at <= 440 V 250 A gG at <= 440 V

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

<b>Average impedance</b>	0.35 mOhm - lth 250 A 50 Hz
<b>[Ui] rated insulation voltage</b>	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
<b>Power dissipation per pole</b>	8 W AC-3
<b>Interlocking type</b>	Mechanical
<b>Mounting Support</b>	Plate
<b>Standards</b>	EN 60947-4-1 JIS C8201-4-1 EN 60947-1 IEC 60947-4-1 IEC 60947-1
<b>Product Certifications</b>	CB RMRoS DNV ABS UL CCC CSA LROS (Lloyds register of shipping) RINA UKCA
<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 connector 1 0.2 in <sup>2</sup> (120 mm <sup>2</sup> ) Power circuit lugs-ring terminals 1 0.2 in <sup>2</sup> (120 mm <sup>2</sup> ) Power circuit bar 2 25 x 3 mm
<b>Tightening torque</b>	Control circuit 10.6 lbf.in (1.2 N.m) Power circuit 159.3 lbf.in (18 N.m)

## 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)
<b>Permissible ambient air temperature around the device</b>	-40...158 °F (-40...70 °C)
<b>Operating altitude</b>	9842.52 ft (3000 m) without derating
<b>Fire resistance</b>	1562 °F (850 °C) IEC 60695-2-1
<b>Mechanical robustness</b>	Vibrations contactor open2 Gn, 5...300 Hz Vibrations contactor closed6 Gn, 5...300 Hz Shocks contactor open9 Gn for 11 ms Shocks contactor closed15 Gn for 11 ms
<b>Height</b>	6.7 in (170 mm)
<b>Width</b>	13.6 in (345 mm)
<b>Depth</b>	6.7 in (171 mm)
<b>Net Weight</b>	16.67 lb(US) (7.56 kg)

## Ordering and shipping details

Category	US10I1222337
Discount Schedule	0I12
GTIN	3389110227383
Returnability	No
Country of origin	CZ

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.811 in (30.000 cm)
Package 1 Width	15.748 in (40.000 cm)
Package 1 Length	23.622 in (60.000 cm)
Package 1 Weight	20.093 lb(US) (9.114 kg)
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Height	29.528 in (75.000 cm)
Package 2 Width	23.622 in (60.000 cm)
Package 2 Length	31.496 in (80.000 cm)
Package 2 Weight	99.111 lb(US) (44.956 kg)

## Contractual warranty

Warranty	18 months
----------	-----------

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)


[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

 Mercury Free

 Rohs Exemption Information Yes

## Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

China Rohs Regulation [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information.

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Circularity Profile [End of Life Information](#)

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)