

# Product data sheet

Specifications



## TeSys F contactor - 3P (3 NO) - AC-3 - <= 440 V 630 A - coil 380 V AC

LC1F630Q7

LC1F630Q7 has not been replaced. Please contact your customer care center for more information.

⚠ Discontinued

**Price\* : 6,872.00 USD**

### Main

Range	TeSys
Product name	TeSys F
Product or Component Type	Contacteur
Device short name	LC1F
Contacteur application	Motor control Resistive load
Utilisation category	AC-3 AC-1 AC-4
Poles description	3P
Power pole contact composition	3 NO
[Ie] rated operational current	1000 A 104 °F (40 °C) <= 440 V AC AC-1 630 A 131 °F (55 °C) <= 440 V AC AC-3
Motor power kW	335 kW 380...400 V AC 50/60 Hz AC-3) 375 kW 415 V AC 50/60 Hz AC-3) 400 kW 440 V AC 50/60 Hz AC-3) 400 kW 500 V AC 50/60 Hz AC-3) 450 kW 660...690 V AC 50/60 Hz AC-3) 450 kW 1000 V AC 50/60 Hz AC-3) 200 kW 220...230 V AC 50/60 Hz AC-3) 100 kW 400 V AC 50/60 Hz AC-4)
[Uc] control circuit voltage	380 V AC 40...400 Hz

### Complementary

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	1000 A 104 °F (40 °C) 1250 A
Rated breaking capacity	5040 A IEC 60947-4-1
[Icw] rated short-time withstand current	5050 A 104 °F (40 °C) - 10 s 4400 A 104 °F (40 °C) - 30 s 3400 A 104 °F (40 °C) - 1 min 2200 A 104 °F (40 °C) - 3 min 1600 A 104 °F (40 °C) - 10 min
Associated fuse rating	1000 A gG <= 440 V 630 A aM <= 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>	0.12 mOhm - lth 1000 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>	120 W AC-1 48 W AC-3
<b>Mounting Support</b>	Plate
<b>Standards</b>	EN 60947-1 JIS C8201-4-1 IEC 60947-4-1 IEC 60947-1 EN 60947-4-1
<b>Product certifications</b>	UL CCC RINA CB DNV BV ABS RMRoS LROS (Lloyds register of shipping) UKCA
<b>Connections - terminals</b>	Control circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible without cable end Control circuit screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible without cable end Control circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> )flexible with cable end Control circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )solid without cable end Control circuit screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )solid without cable end Power circuit bar 2 60 x 5 mm Power circuit bolted connection
<b>Tightening torque</b>	Control circuit 10.62 lbf.in (1.2 N.m) Power circuit 513.34 lbf.in (58 N.m)
<b>Control circuit voltage limits</b>	Operational 0.85...1.1 U <sub>c</sub> 40...400 Hz 131 °F (55 °C)) Drop-out 0.25...0.5 U <sub>c</sub> 40...400 Hz 131 °F (55 °C))
<b>Inrush power in VA</b>	1650 VA 40...400 Hz 0.9 68 °F (20 °C))
<b>Hold-in power consumption in VA</b>	22 VA 40...400 Hz 0.9 68 °F (20 °C))
<b>Heat dissipation</b>	20 W
<b>Operating time</b>	40...80 ms closing 100...200 ms opening
<b>Mechanical durability</b>	5 Mcycles
<b>Maximum operating rate</b>	1200 cyc/h 131 °F (55 °C)
<b>Compatibility code</b>	LC1F

## Environment

<b>IP degree of protection</b>	IP20 front face with shrouds IEC 60529 IP20 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>Height</b>	11.97 in (304 mm)
<b>Width</b>	12.17 in (309 mm)
<b>Depth</b>	10.04 in (255 mm)
<b>Net weight</b>	41.01 lb(US) (18.6 kg)

## Ordering and shipping details

Category	22336-CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
GTIN	3389110227178
Nbr. of units in pkg.	1
Package weight(Lbs)	41.16 lb(US) (18.672 kg)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	12.99 in (33 cm)
Package 1 width	13.19 in (33.5 cm)
Package 1 Length	17.32 in (44 cm)
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Weight	183.40 lb(US) (83.188 kg)
Package 2 Height	30.31 in (77 cm)
Package 2 width	31.50 in (80 cm)
Package 2 Length	23.62 in (60 cm)

## Offer Sustainability

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

## Contractual warranty

Warranty	18 months
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