

Product datasheet

Specifications



TeSys F - star delta starter - 3 x 3P (3 NO) - 330 A - 380/400 V AC coil

LC3F330Q7

EAN Code: 3389110460452

! Discontinued

Main

Range	TeSys
Product name	TeSys F
Product or component type	Star delta starter
Device short name	LC3F
Contactor application	Motor control
Utilisation category	AC-3
Device presentation	Pre-wired
Poles description	3 x 3P
power pole contact composition	3 x 3 NO
[Ue] rated operational voltage	Power circuit: <= 1000 V AC 16 Hz 2/3...200 Hz
[Ie] rated operational current	330 A (at <55 °C) at <= 440 V AC AC-3 for power circuit
Motor power kW	160 kW at 220/230 V AC 50/60 Hz 280 kW at 380/400 V AC 50/60 Hz 280 kW at 415 V AC 50/60 Hz 315 kW at 440 V AC 50/60 Hz
Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	380/400 V AC 50/60 Hz
Auxiliary contact composition	1 NC for KM1 star contactor 1 NO for KM1 star contactor 2 NC for KM2 line contactor 1 NO for KM2 line contactor 1 NC for KM3 delta contactor 2 NO for KM3 delta contactor
[Uimp] rated impulse withstand voltage	8 kV
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-4-1 1500 V conforming to VDE 0110 group C
Interlocking type	Without start delta mechanical interlock
Mounting support	Plate
Standards	EN 60947-1 IEC 60947-4-1 JIS C8201-4-1 EN 60947-4-1 IEC 60947-1

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Product certifications	RMRoS RINA LROS (Lloyds register of shipping) CB CCC DNV ABS UL CSA
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Complementary

[Ith] conventional free air thermal current	400 A 40 °C
Irms rated making capacity	3300 A conforming to IEC 60947-4-1
Rated breaking capacity	2640 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	2650 A 40 °C - 10 s 1800 A 40 °C - 30 s 1300 A 40 °C - 1 min 900 A 40 °C - 3 min 750 A 40 °C - 10 min
Associated fuse rating	500 A gG at <= 440 V 400 A aM at <= 440 V
Connections - terminals	Control circuit: screw clamp terminals 1 1...4 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1...2.5 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1...4 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...4 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...4 mm² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1...4 mm² - cable stiffness: solid without cable end Power circuit: bar 2 - busbar cross section: 30 x 5 mm Power circuit: bolted connection Power circuit: lugs-ring terminals 1 240 mm²
connections bolt diameter	M10
Tightening torque	Control circuit: 1.2 N.m Power circuit: 35 N.m
Operating time	40...65 ms closing 100...170 ms opening
Mechanical durability	10 Mcycles
Maximum operating rate	2400 cyc/h 55 °C
Starting time	20 s
Control circuit voltage limits	Operational: 0.85...1.1 Uc at 40...400 Hz (at <55 °C) Drop-out: 0.35...0.55 Uc at 40...400 Hz (at <55 °C)
Inrush power in VA	650 VA 40...400 Hz cos phi 0.9 (at 20 °C)
Hold-in power consumption in VA	10 VA 40...400 Hz cos phi 0.9 (at 20 °C)
Heat dissipation	8 W
Width	725 mm
Height	110 mm
Depth	276 mm
Net weight	37 kg

Environment

IP degree of protection	IP20 front face with shrouds conforming to IEC 60529 IP20 front face with shrouds conforming to VDE 0106
Protective treatment	TH
Ambient air temperature for storage	-60...80 °C
Ambient air temperature for operation	-5...55 °C -40...70 °C at Uc
Operating altitude	3000 m without derating
Mechanical robustness	Vibrations contactor open: 2 Gn, 5...300 Hz Shocks contactor closed: 15 Gn for 11 ms Vibrations contactor closed: 5 Gn, 5...300 Hz Shocks contactor open: 6 Gn for 11 ms

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

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

Environmental Disclosure

[Product Environmental Profile](#)

Use Better



Materials and Substances

EU RoHS Directive

[Compliant](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

WEEE Label



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