

Product data sheet

Specifications



Star delta starter, TeSys Deca, 3x3P(3NO), 115A, 110V AC coil, screw clamp terminal

LC3D115F7A64

⚠ Discontinued on: Aug 15, 2025

⚠ Discontinued

Main

Range	TeSys
Product name	TeSys Deca
Product or component type	Star delta starter
Device short name	LC3D
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 <= 690 V AC 25...400 Hz
[Ie] rated operational current	115 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit
Motor power kW	110 kW 380/400 V AC 50/60 Hz 110 kW 415 V AC 50/60 Hz 110 kW 440 V AC 50/60 Hz 63 kW 220/230 V AC 50/60 Hz
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	110 V AC 50/60 Hz
Auxiliary contact composition	1 NC KM2 line contactor 1 NO KM3 delta contactor
[Uimp] rated impulse withstand voltage	8 kV IEC 60947
Overvoltage category	III
[Ui] rated insulation voltage	Power circuit 600 V CSA Power circuit 600 V UL Signalling circuit 600 V CSA Signalling circuit 600 V UL Power circuit 1000 V IEC 60947-4-1 Signalling circuit 1000 V IEC 60947-1
Electrical durability	0.95 Mcycles 115 A AC-3 <= 440 V
Interlocking type	Mechanical
Mounting support	Plate
Standards	IEC 60947-4-1 EN 60947-4-1 EN 60947-5-1 IEC 60947-5-1 CSA C22.2 No 14 UL 508

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	LROS (Lloyds register of shipping) GOST RINA UL BV CCC CSA DNV GL
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Complementary

Connections - terminals	Power circuit: connector 1 0.02...0.2 in² (10...120 mm²) - cable stiffness: flexible without cable end Power circuit: connector 2 0.02...0.08 in² (10...50 mm²) - cable stiffness: flexible without cable end Power circuit: connector 1 0.02...0.2 in² (10...120 mm²) - cable stiffness: flexible with cable end Power circuit: connector 2 0.02...0.08 in² (10...50 mm²) - cable stiffness: flexible with cable end Power circuit: connector 1 0.02...0.2 in² (10...120 mm²) - cable stiffness: solid without cable end Power circuit: connector 2 0.02...0.08 in² (10...50 mm²) - cable stiffness: solid without cable end Control circuit: connector 1 0.002...0.004 in² (1...2.5 mm²) - cable stiffness: flexible without cable end Control circuit: connector 2 0.002...0.004 in² (1...2.5 mm²) - cable stiffness: flexible without cable end Control circuit: connector 1 0.002...0.004 in² (1...2.5 mm²) - cable stiffness: flexible with cable end Control circuit: connector 2 0.002...0.004 in² (1...2.5 mm²) - cable stiffness: flexible with cable end Control circuit: connector 1 0.002...0.004 in² (1...2.5 mm²) - cable stiffness: solid without cable end Control circuit: connector 2 0.002...0.004 in² (1...2.5 mm²) - cable stiffness: solid without cable end
Tightening torque	Power circuit 106.2 lbf.in (12 N.m) connector flat Ø 6...8 mm Control circuit 10.6 lbf.in (1.2 N.m) connector flat Ø 6 mm Control circuit 10.6 lbf.in (1.2 N.m) connector Philips No 2
Mechanical durability	8 Mcycles
Maximum operating rate	30 cyc/h 140 °F (60 °C)
Starting time	30 s
Coil technology	Without built-in suppressor module
Control circuit voltage limits	Drop-out: 0.3...0.5 Uc at 50/60 Hz (at <131 °F (55 °C)) Operational: 0.8...1.15 Uc at 50/60 Hz (at <131 °F (55 °C))
Inrush power in VA	280...350 VA 60 Hz cos phi 0.8 (at 68 °F (20 °C)) 280...350 VA 50 Hz cos phi 0.8 (at 68 °F (20 °C))
Hold-in power consumption in VA	2...18 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C)) 2...18 VA 50 Hz cos phi 0.3 (at 68 °F (20 °C))
Heat dissipation	3...8 W 50/60 Hz
Auxiliary contacts type	Mechanically linked IEC 60947-5-1 3 x 1 NO + 1 NC Mirror contact IEC 60947-4-1 3 x 1 NC
Signalling circuit frequency	25...400 Hz
Minimum switching current	5 mA for signalling circuit
minimum switching voltage	17 V signalling circuit
Non-overlap time	1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact
Width	17.7 in (450 mm)
Height	21.9 in (555 mm)
Depth	8.07 in (205 mm)
Net weight	26.7 lb(US) (12.1 kg)

Environment

Insulation resistance	> 10 MOhm for signalling circuit
IP degree of protection	IP2X front face IEC 60529
Protective treatment	TH IEC 60068-2-30
Pollution degree	3
Ambient air temperature for storage	-76...176 °F (-60...80 °C)
Ambient air temperature for operation	-40...140 °F (-40...60 °C) 140...158 °F (60...70 °C) with derating
Operating altitude	3000 m
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Flame retardance	V1 UL 94
Mechanical robustness	Vibrations contactor open2 Gn, 5...300 Hz Vibrations contactor closed4 Gn, 5...300 Hz Shocks contactor closed15 Gn for 11 ms Shocks contactor open6 Gn for 11 ms

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.8 in (35.0 cm)
Package 1 Width	26.4 in (67.0 cm)
Package 1 Length	30.3 in (77.0 cm)
Package 1 Weight	26.7 lb(US) (12.1 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

Total lifecycle Carbon footprint	326 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	108 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	4 kg CO2 eq.
Carbon footprint of the installation phase [A5]	1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	192 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	21 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	A530c666-91dd-4119-8d61-f1c22a361ecb
EU RoHS Directive	Compliant
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
PVC free	Yes

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	54
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