



Star delta starter, TeSys Deca, 3x3P(3NO), 32A, 110VAC 50/60Hz coil, screw clamp terminal

LC3D32AF7

Main

Wall				
Range	TeSys TeSys Deca			
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 25400 Hz			
[le] rated operational current	32 A (at <60 °C) at <= 440 V AC AC-3 for power circuit			
Motor power kW	15 kW at 220/230 V AC 50/60 Hz 25 kW at 380/400 V AC 50/60 Hz 30 kW at 415 V AC 50/60 Hz 30 kW at 440 V AC 50/60 Hz			
Control circuit type	AC at 50/60 Hz			
[Uc] control circuit voltage	110 V AC 50/60 Hz			
Auxiliary contact composition 1 NC for KM1 star contactor				
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947			
Overvoltage category	III			
[Ui] rated insulation voltage	Power circuit: 690 V conforming to IEC 60947-4-1 Power circuit: 600 V CSA certified Power circuit: 600 V UL certified Signalling circuit: 690 V conforming to IEC 60947-1 Signalling circuit: 600 V CSA certified Signalling circuit: 600 V UL certified			
Electrical durability	1.65 Mcycles 32 A AC-3 at Ue <= 440 V			
safety cover	Protective cover			
Interlocking type	Mechanical			
mounting support	Plate			
Standards	EN 60947-5-1 EN 60947-4-1 UL 508 CSA C22.2 No 14 IEC 60947-4-1 IEC 60947-5-1 IEC 60335-1			

Product certifications	RINA	
	GL	
	GOST	
	BV	
	DNV	
	CCC	
	CSA	
	LROS (Lloyds register of shipping)	
	111	

Complementary

Connections - terminals	Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible without
	cable end Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: flexible without
	cable end Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible with cable end
	Control circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: flexible with cable end
	Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: solid without cable end
	Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: solid without cable end
	Power circuit: screw clamp terminals 1 2.510 mm ² - cable stiffness: flexible without cable end
	Power circuit: screw clamp terminals 2 2.510 mm ² - cable stiffness: flexible without cable end
	Power circuit: screw clamp terminals 1 110 mm ² - cable stiffness: flexible with cable end
	Power circuit: screw clamp terminals 2 1.56 mm ² - cable stiffness: flexible with cable end
	Power circuit: screw clamp terminals 1 1.510 mm ² - cable stiffness: solid without cable end
	Power circuit: screw clamp terminals 2 2.510 mm² - cable stiffness: solid without cable end
Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2
	Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm
	Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2
	Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2
Mechanical durability	15 Mcycles
Maximum operating rate	30 cyc/h 60 °C
Starting time	30 s
Coil technology	Without built-in suppressor module
Control circuit voltage limits	Drop-out: 0.30.6 Uc at 50/60 Hz (at <60 °C) Operational: 0.81.1 Uc at 50 Hz (at <60 °C) Operational: 0.851.1 Uc at 60 Hz (at <60 °C)
Inrush power in VA	70 VA 60 Hz cos phi 0.75 (at 20 °C) 70 VA 50 Hz cos phi 0.75 (at 20 °C)
Hold-in power consumption in VA	7.5 VA 60 Hz cos phi 0.3 (at 20 °C) 7 VA 50 Hz cos phi 0.3 (at 20 °C)
Heat dissipation	23 W at 50/60 Hz
Auxiliary contacts type	Mechanically linked conforming to IEC 60947-5-1 3 x 1 NO + 1 NC Mirror contact conforming to IEC 60947-4-1 3 x 1 NC
Signalling circuit frequency	25400 Hz
Minimum switching current	5 mA for signalling circuit
minimum switching voltage	17 V for 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	166 mm

Height	124 mm
Depth	149 mm
net weight	2.03 kg

Environment

Insulation resistance	> 10 MOhm for signalling circuit
IP degree of protection	IP20 front face conforming to IEC 60529
Climatic withstand	conforming to IACS E10 conforming to IEC 60947-1 Annex Q category D
Protective treatment	TH conforming to IEC 60068-2-30
Pollution degree	3
ambient air temperature for storage	-6080 °C
Ambient air temperature for operation	-4070 °C at Uc
Operating altitude	3000 m without derating
Fire resistance	850 °C conforming to IEC 60695-2-1
Flame retardance	V1 conforming to UL 94
Mechanical robustness	Vibrations contactor open: 2 Gn, 5300 Hz Vibrations contactor closed: 4 Gn, 5300 Hz Shocks contactor closed: 15 Gn for 11 ms Shocks contactor open: 8 Gn for 11 ms

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	18.0 cm
Package 1 Width	16.0 cm
Package 1 Length	23.5 cm
Package 1 Weight	1.73 kg

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

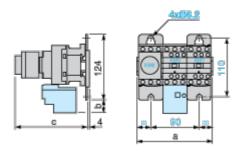
Ø	Reach Free Of Svhc
⊘	Toxic Heavy Metal Free
⊘	Mercury Free
⊘	Rohs Exemption Information Yes
Ø	Pvc Free

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
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

Dimensions Drawings

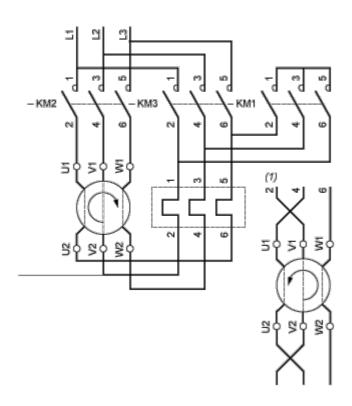
Dimensions

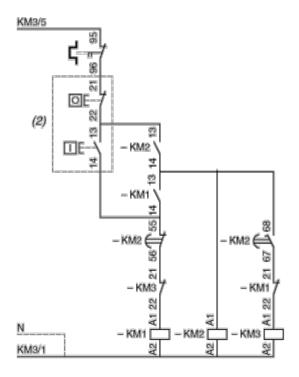


LC3		D09A	D12A	D18A	D32A
а		143	143	144	165
ь		26.5	26.5	26.5	32.5
С	with LAD S	139	139	139	145
	with LAD S and sealing cover	143	143	143	149

Connections and Schema

Wiring





- (1) Recommended cabling for reversal of motor rotation (standard motor, viewed from shaft end).
- (2) Remote control.

NOTE: LC3 D09A to D18A: Mechanical interlock between KM3 and KM1.