Product datasheet Characteristics

LC3D32AU7

TeSys D - star delta starter - 3 x 3P (3 NO) - 32 A - 240 V AC coil





Commercial status

Discontinued: 01 January 2008

LC3D32AU7 has not been replaced. Please contact your customer care centre for more information.

Range	TeSys	s for
Product name	TeSys D	_ oduct
Product or component type	Star delta starter	se pro
Device short name	LC3D	of the
Contactor application	Motor control	olity o
Utilisation category	AC-3	reliat
Device presentation	Pre-wired	ity or
Poles description	3 x 3P	litabil
Power pole contact composition	3 x 3 NO	_ s
[Ue] rated operational voltage	Power circuit: <= 690 V AC 25400 Hz	-imim
[le] rated operational current	32 A (at <60 °C) at <= 440 V AC AC-3 for power circuit	r dete
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	for and is not to be used for determining suitability or reliability of these products for
Control circuit type	AC at 50/60 Hz	— si bi
[Uc] control circuit voltage	240 V AC 50/60 Hz	for an
Auxiliary contact composition	1 NC for KM1 star contactor	itute
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947	subst
Overvoltage category	III	asa
[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	isclaimer: This documentation is not intended as a substitute
Electrical durability	1.65 Mcycles 32 A AC-3 at Ue <= 440 V	 ocume
Safety cover	Protective cover	— sir
Interlocking type	Mechanical	— <u></u>
Mounting support	Plate	sclaim

Standards	EN 60947-4-1
	IEC 60947-5-1
	UL 508
	EN 60947-5-1
	CSA C22.2 No 14
	IEC 60947-4-1
Product certifications	GOST
	GL
	BV
	UL
	CSA
	RINA
	LROS (Lloyds register of shipping)
	DNV
	CCC

Complementary

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 mm² - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 2 2.510 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 110 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 1.510 mm² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 1 1.510 mm² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 2 2.510 mm² - 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
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 contact1.5 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
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
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

Offer Sustainability

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	
Environmental Disclosure	Product Environmental Profile	
China RoHS Regulation	China RoHS declaration	
RoHS exemption information	Yes	
Mercury free	Yes	
Toxic heavy metal free	Yes	
EU RoHS Directive	Compliant EU RoHS Declaration	
REACh free of SVHC	Yes	
REACh Regulation	REACh Declaration	
Sustainable offer status	Green Premium product	

Contractual warranty

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Warranty	18 months