

LC1D50AF7

TeSys D contactor - 3P(3 NO) - AC-3 - <= 440 V
50 A - 110 V AC 50/60 Hz coil

Product availability : Stock - Normally stocked in distribution facility



Price* : 246.00 USD



Main

Range	TeSys
Product name	TeSys D
Product or component type	Contactor
Device short name	LC1D
Contactor application	Motor control Resistive load
Utilisation category	AC-1 AC-4 AC-3
Utilisation category	15 kW 220...230 V AC 50/60 Hz AC-3) 22 kW 380...400 V AC 50/60 Hz AC-3) 30 kW 500 V AC 50/60 Hz AC-3) 33 kW 660...690 V AC 50/60 Hz AC-3) 25 kW 415 V AC 50/60 Hz AC-3) 30 kW 440 V AC 50/60 Hz AC-3) 11 kW 400 V AC 50/60 Hz AC-4)
Utilisation category	3.7 W AC-3 9.6 W AC-1
Poles description	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	Power circuit <= 690 V AC 25...400 Hz Power circuit <= 300 V DC
[Ue] rated operational voltage	50 A 140 °F (60 °C)) <= 440 V AC AC-3 power circuit 80 A 140 °F (60 °C)) <= 440 V AC AC-1 power circuit
[Ue] rated operational voltage	1.45 Mcycles 50 A AC-3 <= 440 V 1.1 Mcycles 80 A AC-1 <= 440 V
Electrical circuit type	10 A 140 °F (60 °C) signalling circuit 80 A 140 °F (60 °C) power circuit
Electrical circuit type	400 A 104 °F (40 °C) - 10 s power circuit 810 A 104 °F (40 °C) - 1 s power circuit

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Oct 5, 2020

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

	84 A 104 °F (40 °C) - 10 min power circuit 208 A 104 °F (40 °C) - 1 min power circuit 100 A - 1 s signalling circuit 120 A - 500 ms signalling circuit 140 A - 100 ms signalling circuit
Electrical circuit type	1.5 mOhm - lth 80 A 50 Hz power circuit
Network frequency	3 hp 115 V AC 50/60 Hz 1 phase 7.5 hp 230/240 V AC 50/60 Hz 1 phase 15 hp 200/208 V AC 50/60 Hz 3 phase 15 hp 230/240 V AC 50/60 Hz 3 phase 40 hp 460/480 V AC 50/60 Hz 3 phase 40 hp 575/600 V AC 50/60 Hz 3 phase
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	110 V AC 50/60 Hz
Auxiliary contact composition	1 NO + 1 NC
Standards	6 kV IEC 60947
Standards	140 A AC signalling circuit IEC 60947-5-1 250 A DC signalling circuit IEC 60947-5-1 900 A 440 V power circuit IEC 60947
Standards	900 A 440 V power circuit IEC 60947
Standards	10 A gG signalling circuit IEC 60947-5-1
Overtoltage category	III
Product certifications	Power circuit 600 V CSA Power circuit 600 V UL Signalling circuit 600 V CSA Signalling circuit 600 V UL
Product certifications	CCC GOST UL LROS (Lloyds register of shipping) CSA DNV BV GL RINA
Front cover	With
Mounting support	Rail Plate
Standards	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508
Connections - terminals	Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²)flexible with cable end Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)flexible without cable end Control circuit screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²)flexible without cable end Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)flexible with cable end Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)solid without cable end Control circuit screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²)solid without cable end Power circuit screw connection 1 0.00...0.05 in ² (1...35 mm ²)flexible without cable end Power circuit screw connection 2 0.00...0.04 in ² (1...25 mm ²)flexible without cable end Power circuit screw connection 1 0.00...0.05 in ² (1...35 mm ²)flexible with cable end Power circuit screw connection 2 0.00...0.04 in ² (1...25 mm ²)flexible with cable end Power circuit screw connection 1 0.00...0.05 in ² (1...35 mm ²)solid without cable end Power circuit screw connection 2 0.00...0.04 in ² (1...25 mm ²)solid without cable end
Screwdriver shape	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals flat Ø 6 mm Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Philips No 2
Operating time	4...19 ms opening 12...26 ms closing
Safety reliability level	B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1
Maximum operating rate	3600 cyc/h 140 °F (60 °C)

Complementary

Coil technology	Without built-in suppressor module
Network frequency	140 VA 60 Hz 0.75 68 °F (20 °C)) 160 VA 50 Hz 0.75 68 °F (20 °C))
Network frequency	13 VA 60 Hz 0.3 68 °F (20 °C)) 15 VA 50 Hz 0.3 68 °F (20 °C))
Network frequency	4...5 W 50/60 Hz
Auxiliary contacts type	Mechanically linked 1 NO + 1 NC IEC 60947-5-1 Mirror contact 1 NC IEC 60947-4-1
Signalling circuit frequency	25...400 Hz
Electrical circuit type	5 mA signalling circuit
Electrical circuit type	17 V signalling circuit
Auxiliary contacts operation	1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact
Insulation resistance	> 10 MOhm signalling circuit
Contact compatibility	M2
Compatibility code	LC1D
Motor power range	7...11 kW 200...240 V 3 phase 15...25 kW 380...440 V 3 phase 15...25 kW 200...240 V 3 phase 30...50 kW 380...440 V 3 phase 30...50 kW 480...500 V 3 phase
Motor starter type	Direct on-line contactor
Coil type	110 V AC standard

Environment

IP degree of protection	IP20 front face IEC 60529
Protective treatment	TH IEC 60068-2-30
Pollution degree	3
Operating altitude	9842.52 ft (3000 m) without derating
Standards	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 open10 Gn for 11 ms

Ordering and shipping details

Category	22357 - CTR, TESYS D, OPEN, 40-65A AC
Discount Schedule	I12
GTIN	00785901934592
Nbr. of units in pkg.	1
Package weight(Lbs)	2.1 lb(US) (0.95 kg)
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.44 in (6.2 cm)
Package 1 width	5.31 in (13.5 cm)
Package 1 Length	6.10 in (15.5 cm)
Unit Type of Package 2	P06
Number of Units in Package 2	160
Package 2 Weight	368.48 lb(US) (167.14 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
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide which is known to the State of California to cause Carcinogen harm. For more information go to www.p65warnings.ca.gov
RECh Regulation	RECh Declaration
RECh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

Contractual warranty

Warranty	18 months
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