LC1D65ABD

Contactor, TeSys Deca, 3P(3 NO), AC-3/ AC-3e, 0 to 440V, 65A, 24VDC standard coil





Main

Range	TeSys TeSys Deca
Range of product	TeSys Deca
Product or component type	Contactor
Device short name	LC1D
Contactor application	Motor control Resistive load
Utilisation category	AC-4 AC-1 AC-3 AC-3e
Poles description	3P
[Ue] rated operational voltage	Power circuit: <= 690 V AC 25400 Hz Power circuit: <= 300 V DC
[le] rated operational current	80 A (at <60 °C) at <= 440 V AC AC-1 for power circuit 65 A (at <60 °C) at <= 440 V AC AC-3 for power circuit 65 A (at <60 °C) at <= 440 V AC AC-3e for power circuit
[Uc] control circuit voltage	24 V DC

Complementary		
Motor power kW	11 KW at 400 V AC 50/60 Hz (AC-4) 18.5 KW at 220230 V AC 50/60 Hz (AC-3) 30 KW at 380400 V AC 50/60 Hz (AC-3) 37 KW at 500 V AC 50/60 Hz (AC-3) 37 KW at 660690 V AC 50/60 Hz (AC-3) 18.5 KW at 220230 V AC 50/60 Hz (AC-3e) 30 KW at 380400 V AC 50/60 Hz (AC-3e) 37 KW at 500 V AC 50/60 Hz (AC-3e) 37 KW at 660690 V AC 50/60 Hz (AC-3e)	
Motor power hp	40 Hp at 460/480 V AC 50/60 Hz for 3 phases motors 5 Hp at 115 V AC 50/60 Hz for 1 phase motors 10 Hp at 230/240 V AC 50/60 Hz for 1 phase motors 20 Hp at 200/208 V AC 50/60 Hz for 3 phases motors 20 Hp at 230/240 V AC 50/60 Hz for 3 phases motors 50 hp at 575/600 V AC 50/60 Hz for 3 phases motors	
Compatibility code	LC1D	
Pole contact composition	3 NO	
Contact compatibility	M4	
Protective cover	With	
[Ith] conventional free air thermal current	10 A (at 60 °C) for signalling circuit 80 A (at 60 °C) for power circuit	
Irms rated making capacity	140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 1000 A at 440 V for power circuit conforming to IEC 60947	
Rated breaking capacity	1000 A at 440 V for power circuit conforming to IEC 60947	
[lcw] rated short-time withstand current	520 A 40 °C - 10 s for power circuit 900 A 40 °C - 1 s for power circuit 110 A 40 °C - 10 min for power circuit 260 A 40 °C - 1 min for power circuit 100 A - 1 s for signalling circuit 120 A - 500 ms for signalling circuit 140 A - 100 ms for signalling circuit	

Associated fuse rating 10 A gG for signalling circuit conforming to IEC 6947-5-1 22 A gG at x = 690 V coordination type 1 for power circuit 125 A gG at x = 690 V coordination type 1 for power circuit 125 A gG at x = 690 V coordination type 1 for power circuit 125 A gG at x = 690 V coordination type 2 for power circuit 125 A gG at x = 690 V coordination type 2 for power circuit 125 A gG at x = 690 V coordination type 2 for power circuit 125 A gG at x = 690 V coordination type 2 for power circuit. 126 A gG at x = 690 V coordination type 2 for power circuit. 127 A gG at x = 690 V coordination type 2 for power circuit. 128 A gG at x = 690 V coordination to IEC 60947-1 129 A gingling circuit 600 V SA certified 129 A gingling circuit. 129 A coordination to VIII. 129 A coordination to VIII. 129 A coordination to VIII. 129 A gG at x = 690 V conforming to IEC 60947-1 139 A gingling circuit. 129 A void V conforming to IEC 60947-1 139 A void x = 13699863 cycles contactor with nominal load conforming to IEC 60947-1 139 A gG at x = 690 V conforming to IEC 60947-1 140 A gG at x = 690 V conforming to IEC 60947-1 140 A gG at x = 69	
Power dissipation per pole 9,6 W.AC1 6.3 W.AC3	for power circuit
6.3 W.A.C.3	·
Power circuit: 600 V UL certified Signalling circuit: 800 V UL certified Signalling circuit: 800 V UL certified Power circuit: 600 V CSA certified Signalling circuit: 800 V UL certified Power circuit: 690 V conforming to IEC 60947-4-1 Overvoltage category III Pollution degree 3 IUmpl rated impulse withstand voltage 6 KV conforming to IEC 60947 Safety reliability level 810d = 130863 cycles contactor with nominal load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 13849-1 810d = 20000000 cycles contactor with mechanical load conforming 1490-1 810d = 200000000 cycles contactor with mechanical load conforming 1490-1 810d = 200000000 cycles contactor with mechanical load conforming 1490-1 810d = 20000000000000000000000000000000000	
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pozidriv No 2 Power circuit: 2.5 N.m - on EverLink BTR screw connectors - pozidriv No 2 Auxiliary contact composition 1 NO + 1 NC	exerce connectors - with screwdriver crew connectors - cable 2535 mm² crew connectors - cable 125 mm² crew connectors - with screwdriver

Auxiliary contacts type	Type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1 Type mirror contact 1 NC conforming to IEC 60947-4-1	
Signalling circuit frequency	25400 Hz	
Minimum switching voltage	17 V for signalling circuit	
Minimum switching current	5 mA for signalling circuit	
Insulation resistance	> 10 MOhm 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	
Mounting support	Plate Rail	

Environment

Ziiiiiiiiiiiiiiii		
Standards	CSA C22.2 No 14	
	EN 60947-4-1	
	EN 60947-5-1	
	IEC 60947-4-1	
	IEC 60947-5-1	
	UL 508	
	IEC 60335-1	
Product certifications	GOST	
	UL	
	CCC	
	CSA	
IP degree of protection	IP20 front face conforming to IEC 60529	
Protective treatment	TH conforming to IEC 60068-2-30	
Climatic withstand	Conforming to IACS E10 exposure to damp heat	
	Conforming to IEC 60947-1 Annex Q category D exposure to damp heat	
Permissible ambient air temperature around the	-4060 °C	
device	6070 °C with derating	
Operating altitude	03000 m	
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 (10 Gn for 11 ms)	
Height	122 mm	
Width	55 mm	
Depth	120 mm	
Product weight	0.935 kg	

Packing Units

r doking office	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.2 cm
Package 1 Width	13.5 cm
Package 1 Length	15.2 cm
Package 1 Weight	984.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	10
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	10.39 kg
Unit Type of Package 3	P06
Number of Units in Package 3	160
Package 3 Height	77.0 cm
Package 3 Width	80.0 cm
Package 3 Length	60.0 cm
Package 3 Weight	174.74 kg

Offer Sustainability

Warranty

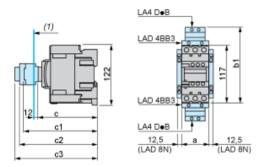
Sustainable offer status	Green Premium product	
REACh Regulation	☑ REACh Declaration	
REACh free of SVHC	Yes	
EU RoHS Directive	Compliant EPEU RoHS Declaration	
Mercury free	Yes	
China RoHS Regulation	☑ China RoHS Declaration	
RoHS exemption information	₫Yes	
Environmental Disclosure	Product Environmental 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	
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 cancer. For more information go to www.P65Warnings.ca.gov	

18 months

Product data sheet Dimensions Drawings

LC1D65ABD

Dimensions



(1) Minimum electrical clearance

LC1		D40AD65A
а		55
b1	with LAD 4BB3	136
with LA4 DF, DT	157	
С	without cover or add-on blocks	118
with cover, without add-on blocks	120	
c1	with LAD N (1 contact)	-
with LAD N or C (2 or 4 contacts)	150	
c2	with LA6 DK10	163
с3	with LAD T, R, S	171
with LAD T, R, S and sealing cover	175	

Wiring

