LC1D32EHE

IEC contactor, TeSys Deca Green, nonreversing, 32A, 20HP at 480VAC, up to 100kA SCCR, 3 phase, 3 NO, 48/130VAC/VDC 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-1 AC-3 AC-3e
Poles description	3P
[Ue] rated operational voltage	Power circuit <= 690 V AC 25400 Hz
[le] rated operational current	32 A (at <140 °F (60 °C)) at <= 440 V AC-3 for power circuit 50 A (at <140 °F (60 °C)) at <= 440 V AC-1 for power circuit 32 A (at <140 °F (60 °C)) at <= 440 V AC-3e for power circuit
[Uc] control circuit voltage	48130 V AC 50/60 Hz 48130 V DC

Complementary

Material	7.5.10.11.21.000000.17.40.50.11740.01	
Motor power kW	7.5 KW at 220230 V AC 50 Hz (AC-3)	
	15 KW at 380400 V AC 50 Hz (AC-3)	
	15 KW at 415 V AC 50 Hz (AC-3)	
	15 KW at 440 V AC 50 Hz (AC-3) 18.5 KW at 500 V AC 50 Hz (AC-3)	
	18.5 KW at 660690 V AC 50 Hz (AC-3)	
	7.5 KW at 220230 V AC 50 Hz (AC-3e)	
	15 KW at 380400 V AC 50 Hz (AC-3e)	
	15 KW at 350400 V AC 30 Hz (AC-3e)	
	15 KW at 440 V AC 50 Hz (AC-3e)	
	18.5 KW at 440 V AC 50 Hz (AC-3e)	
	18.5 kW at 660690 V AC 50 Hz (AC-3e)	
Maximum Horse Power Rating	2 Hp at 115 V AC 50/60 Hz for 1 phase motors	
waxiiiuiii i loise i owei rratiiig	5 Hp at 230/240 V AC 50/60 Hz for 1 phase motors	
	10 Hp at 200/208 V AC 50/60 Hz for 3 phase motors	
	10 Hp at 230/240 V AC 50/60 Hz for 3 phase motors	
	20 Hp at 460/480 V AC 50/60 Hz for 3 phase motors	
	25 hp at 575/600 V AC 50/60 Hz for 3 phase motors	
Compatibility code	LC1D	
Pole contact composition	3 NO	
Protective cover	With	
[Ith] conventional free air thermal current	10 A (at 140 °F (60 °C)) for signalling circuit	
	50 A (at 140 °F (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	
	550 A at 440 V for power circuit conforming to IEC 60947	
Rated breaking capacity	550 A at 440 V for power circuit conforming to IEC 60947	

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120 A - 500 m	
Average impedance 2 mOhm - Ith 1 Power dissipation per pole 2 W AC-3 5 W AC-1 2 W AC-3e Fow AC-3e IUi] rated insulation voltage Power circuit Signalling circle Overvoltage category III Pollution degree 3 IUimp] rated impulse withstand voltage Bafot = 13698 Bafot = 20000 Mechanical durability 15 Mcycles Electrical durability 2.1 Mcycles 3 Iuimp] rated impulse withstand voltage Bafot = 13698 Bafot = 20000 Mechanical durability 15 Mcycles 2.1 Mcy	signalling circuit for signalling circuit for signalling circuit 0 °C) - 10 min for power circuit 10 °C) - 1 min for power circuit 10 °C) - 10 s for power circuit 10 °C) - 10 s for power circuit 10 °C) - 1 s for power circuit
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Tightening torque Control circuit Control circuit Power circuit 2 Power circuit 2 Power circuit 2	5.05 lbf.in (1.7 N.m) screw clamp terminals flat Ø 6 mm 5.05 lbf.in (1.7 N.m) screw clamp terminals Philips No 2 2.1 lbf.in (2.5 N.m) screw clamp terminals flat Ø 6 mm 2.1 lbf.in (2.5 N.m) screw clamp terminals Philips No 2 2.1 lbf.in (2.5 N.m) screw clamp terminals pozidriv No 2 M4 5.05 lbf.in (1.7 N.m) screw clamp terminals pozidriv No 2 M3.5

Auxiliary contacts type	Mechanically linked 1 NO + 1 NC IEC 60947-5-1	
	Mirror contact 1 NC 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 contact	
	1.5 ms on energisation between NC and NO contact	
Mounting Support	Plate	
	Rail	

Environment

Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 CSA C22.2 No 60947-4-1 IEC 60335-1
Product Certifications	CCC[RETURN]CSA[RETURN]EAC[RETURN]UL[RETURN]KC[RETURN]DNV-GL[RETURN]LROS (Lloyds register of shipping)[RETURN]UKCA
IP degree of protection	IP20 front face IEC 60529
Climatic withstand	IACS E10 exposure to damp heat IEC 60947-1 Annex Q category D exposure to damp heat
Permissible ambient air temperature around the device	-40…140 °F (-40…60 °C) 140…158 °F (60…70 °C) with derating
Operating altitude	09842.52 ft (03000 m)
Fire resistance	1562 °F (850 °C) 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)
Height	3.3 in (85 mm)
Width	1.8 in (45 mm)
Depth	3.6 in (92 mm)
Net Weight	0.966 lb(US) (0.438 kg)

Ordering and shipping details

Category	US10I1222356	
Discount Schedule	0112	
GTIN	3606480987762	
Returnability	No	
Country of origin	FR	

Packing Units

r doking office	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.09 in (5.3 cm)
Package 1 Width	3.7 in (9.4 cm)
Package 1 Length	4.7 in (12.0 cm)
Package 1 Weight	16.2 oz (458.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	5.9 in (15.0 cm)
Package 2 Width	11.8 in (30.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	15.794 lb(US) (7.164 kg)

Offer Sustainability

Warranty

Sustainable offer status	Green Premium product
REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
Sustainable packaging	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.
Halogen content performance	Halogen free plastic parts & cables product

18 months