

IEC contactor, TeSys Deca, nonreversing, 32A, 20HP at 480VAC, up to 100kA SCCR, 3 phase, 3 NO, 120VAC 50/60Hz coil, open

LC1D32G7

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	TeSys Deca	
Product or Component Type	Contactor	
Device short name	LC1D	
Contactor application	Resistive load Motor control	
Utilisation category	AC-3 AC-1 AC-4 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	32 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit 50 A (at <140 °F (60 °C)) at <= 440 V AC AC-1 for power circuit 32 A (at <140 °F (60 °C)) at <= 440 V AC AC-3e for power circuit	
[Uc] control circuit voltage	120 V AC 50/60 Hz	

Complementary

Motor power kW	7.5 kW at 220230 V AC 50/60 Hz (AC-3)
	15 kW at 380400 V AC 50/60 Hz (AC-3)
	15 kW at 415440 V AC 50/60 Hz (AC-3)
	18.5 kW at 500 V AC 50/60 Hz (AC-3)
	18.5 kW at 660690 V AC 50/60 Hz (AC-3)
	7.5 kW at 400 V AC 50/60 Hz (AC-4)
	7.5 kW at 220230 V AC 50/60 Hz (AC-3e)
	15 kW at 380400 V AC 50/60 Hz (AC-3e)
	15 kW at 415440 V AC 50/60 Hz (AC-3e)
	18.5 kW at 500 V AC 50/60 Hz (AC-3e)
	18.5 kW at 660690 V AC 50/60 Hz (AC-3e)
Maximum Horse Power Rating	2 hp at 115 V AC 50/60 Hz for 1 phase motors
	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	10 A (at 140 °F (60 °C)) for signalling circuit
current	50 A (at 140 °F (60 °C)) for power circuit

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

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	
[lcw] rated short-time withstand	260 A 104 °F (40 °C) - 10 s for power circuit	
current	430 A 104 °F (40 °C) - 1 s for power circuit	
	60 A 104 °F (40 °C) - 10 min for power circuit	
	138 A 104 °F (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 60947-5-1	
	63 A gG at <= 690 V coordination type 1 for power circuit	
	63 A gG at <= 690 V coordination type 2 for power circuit	
Average impedance	2 mOhm - Ith 50 A 50 Hz for power circuit	
Power dissipation per pole	2 W AC-3	
	5 W AC-1	
	2 W AC-3e	
[Li] rated inculation voltage	D	
[Ui] rated insulation voltage	Power circuit 690 V IEC 60947-4-1	
	Power circuit 600 V CSA Power circuit 600 V UL	
	Signalling circuit 690 V IEC 60947-1	
	Signalling circuit 600 V CSA Signalling circuit 600 V UL	
Overvoltage category	III	
pollution degree	3	
[Uimp] rated impulse withstand voltage	6 kV IEC 60947	
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	
Mechanical durability	15 Mcycles	
Electrical durability	1.65 Mcycles 32 A AC-3 <= 440 V	
-	1.4 Mcycles 50 A AC-1 <= 440 V	
	1.65 Mcycles 32 A AC-3e <= 440 V	
Control circuit type	AC 50/60 Hz	
Coil technology	Without built-in suppressor module	
Control circuit voltage limits	0.30.6 Uc (-40158 °F (-4070 °C)):drop-out AC 50/60 Hz	
3	0.81.1 Uc (-40140 °F (-4060 °C)):operational AC 50 Hz	
	0.851.1 Uc (-40140 °F (-4060 °C)):operational AC 60 Hz	
	11.1 Uc (140158 °F (6070 °C)):operational AC 50/60 Hz	
Inrush power in VA	70 VA 60 Hz cos phi 0.75 (at 68 °F (20 °C))	
in don power in th	70 VA 50 Hz cos phi 0.75 (at 68 °F (20 °C))	
Hold-in power consumption in VA	7.5.\/\\\ 60.Hz coc.phi.0.3 (at 68.°E /20.°C\)	
Hold-III power consumption in VA	7.5 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C)) 7 VA 50 Hz cos phi 0.3 (at 68 °F (20 °C))	
Heat dissipation	23 W at 50/60 Hz	
Operating time	12 22 ms closing	
-po. danig anno	1222 ms closing 419 ms opening	
	to the opening	
Maximum operating rate	3600 cyc/h at 60 °C	

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Non-overlap time			
1.5 ms on energisation between NC and NO contact			
Plate		· · · · · · · · · · · · · · · · · · ·	
CSA C22.2 No 14	Mounting Support	Rail	
CSA C22.2 No 14		Plate	
CSA C22.2 No 14			
EN 60947-4-1 EN 60947-5-1 IEC 60947-5-1 IEC 60947-5-1 UL 60947-5-1 UL 60947-4-1 IEC 60335-1:Clause 30.2 IEC 60335-2-40:Annex JJ UL 60335-2-40:Annex JJ UL 60347-4-1 IEC 60347-4-1 IEC 60335-2-40:Annex JJ UL 60335-2-40:Annex JJ CSA C22.2 No 60947-4-1 Product Certifications UL CCC CSA Marine UKCA EAC CB Scheme IP degree of protection IP20 front face IEC 60529 Protective treatment THIEC 60068-2-30 Climatic withstand IACS E10 exposure to damp heat	Environment		
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IEC 60947-4-1			
IEC 60947-5-1			
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UKCA EAC CB Scheme IP degree of protection IP20 front face IEC 60529 Protective treatment THIEC 60068-2-30 Climatic withstand IACS E10 exposure to damp heat			
EAC CB Scheme IP degree of protection IP20 front face IEC 60529 Protective treatment THIEC 60068-2-30 Climatic withstand IACS E10 exposure to damp heat			
CB Scheme IP degree of protection IP20 front face IEC 60529 Protective treatment THIEC 60068-2-30 Climatic withstand IACS E10 exposure to damp heat			
Protective treatment THIEC 60068-2-30 Climatic withstand IACS E10 exposure to damp heat			
Climatic withstand IACS E10 exposure to damp heat	IP degree of protection	IP20 front face IEC 60529	
in the East of the same from	Protective treatment	THIEC 60068-2-30	
· · · · · · · · · · · · · · · · · · ·	Climatic withstand	IACS E10 exposure to damp heat	
		· · · · · · · · · · · · · · · · · · ·	

Permissible ambient air temperature around the device	-40140 °F (-4060 °C) 140158 °F (6070 °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	0.827 lb(US) (0.375 kg)	

Ordering and shipping details

Category	US10I1222354	
Discount Schedule	0112	
GTIN	3389110350814	
Returnability	Yes	
Country of origin	ID	

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	4.41 in (11.2 cm)	
Package 1 Width	2.01 in (5.1 cm)	
Package 1 Length	3.54 in (9.0 cm)	
Package 1 Weight	14.7 oz (416.0 g)	
Unit Type of Package 2	S02	
Number of Units in Package 2	20	
Package 2 Height	5.91 in (15.0 cm)	
Package 2 Width	11.81 in (30.0 cm)	
Package 2 Length	15.75 in (40.0 cm)	
Package 2 Weight	19.11 lb(US) (8.67 kg)	
Unit Type of Package 3	P06	
Number of Units in Package 3	320	
Package 3 Height	30.31 in (77.0 cm)	
Package 3 Width	23.62 in (60.0 cm)	
Package 3 Length	31.50 in (80.0 cm)	
Package 3 Weight	324.56 lb(US) (147.22 kg)	

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	147
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
REACh Regulation	REACh Declaration
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
PVC free	Yes

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Dimensions Drawings

Approximate Dimensions

