LC1D40008F7

Contactor, TeSys Deca, 4P(2NO+2NC),AC-1, <=440V, 60 A 110V AC 50/60Hz coil, screw clamp terminal





Main

Range	TeSys
Range of product	TeSys Deca
Product or component type	Contactor
Device short name	LC1D
Contactor application	Resistive load
Utilisation category	AC-1
Poles description	4P
[Ue] rated operational voltage	Power circuit: <= 690 V AC 25400 Hz Power circuit: <= 300 V DC
[le] rated operational current	60 A (at <60 °C) at <= 440 V AC AC-1 for power circuit
[Uc] control circuit voltage	110 V AC 50/60 Hz

Complementary

Complementary		
Compatibility code	LC1D	
Pole contact composition	2 NO + 2 NC	
Protective cover	Without	
[Ith] conventional free air thermal current	60 A (at 60 °C) for power circuit	
Irms rated making capacity	800 A at 440 V for power circuit conforming to IEC 60947	
Rated breaking capacity	800 A at 440 V for power circuit conforming to IEC 60947	
[lcw] rated short-time withstand current	320 A 40 °C - 10 s for power circuit 720 A 40 °C - 1 s for power circuit 72 A 40 °C - 10 min for power circuit 165 A 40 °C - 1 min for power circuit	
Associated fuse rating	80 A gG at <= 690 V coordination type 1 for power circuit 80 A gG at <= 690 V coordination type 2 for power circuit	
Average impedance	1.5 mOhm - Ith 60 A 50 Hz for power circuit	
Power dissipation per pole	5.4 W AC-1	
[Ui] rated insulation voltage	Power circuit: 600 V CSA certified Power circuit: 600 V UL certified Power circuit: 690 V conforming to IEC 60947-4-1	
Overvoltage category	III	
Pollution degree	3	
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947	
Safety reliability level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1	
Mechanical durability	6 Mcycles	
Electrical durability	1.4 Mcycles 60 A AC-1 at Ue <= 440 V	
Control circuit type	AC at 50/60 Hz	
Coil technology	Without built-in suppressor module	
Control circuit voltage limits	0.30.6 Uc (-4070 °C):drop-out AC 50/60 Hz 0.81.1 Uc (-4060 °C):operational AC 50 Hz 0.851.1 Uc (-4060 °C):operational AC 60 Hz 11.1 Uc (6070 °C):operational AC 50/60 Hz	

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. This documentation is not integrated to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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15 VA 50 Hz cos pin lo 3 (at 20 °C) 45 W at 50/60 Hz Operating time 419 ms opening 1226 ms olosing Maximum operating rate Connections - terminals Control circuit: screw clamp terminals 2 125 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 12 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: flexible with 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 without cable end Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: flexible without cable end Control circuit: screw connection 1 135 mm² - cable stiffness: flexible without cable end Power circuit: screw connection 1 135 mm² - cable stiffness: flexible without cable end Power circuit: screw connection 2 125 mm² - cable stiffness: flexible without cable end Power circuit: screw connection 2 125 mm² - cable stiffness: flexible without cable end Power circuit: screw connection 2 125 mm² - cable stiffness: flexible without cable end Power circuit: screw connection 2 125 mm² - cable stiffness: flexible without cable end Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: Sn.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 5 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 5 N.m - on screw clamp terminals - with screwdriver pozidiriv No 2 Power circuit: 5 N.m - on screw clamp terminals - with screwdriver pozidiriv No 2 Power circuit: 5 N.m - on screw clamp terminals - with screwdriver pozidiriv No 2 Power circuit: 5 N.m - on screw clamp terminals - with screwdriver pozidiriv No 2 Power circuit: 5 N.m - on screw clamp terminals - with screwdriver pozidiriv No 2 Power circuit: 5 N.m - on screw clamp terminals - with screwdriver pozidiriv No 2 Power circuit: 5 N.m - on sc	nrush power in VA	, ,	
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P degree of protection IP20 front face conforming to IEC 60529 TH conforming to IEC 60068-2-30 Climatic withstand Conforming to IACS E10 exposure to damp heat Permissible ambient air temperature around the device Conforming to IACS E10 exposure to damp heat -4060 °C 6070 °C with derating Operating altitude 03000 m	Product certifications	GL[RETURN]LROS (Lloyds register of shipping)	
Climatic withstand Conforming to IACS E10 exposure to damp heat Permissible ambient air temperature around the device device Conforming to IACS E10 exposure to damp heat -4060 °C 6070 °C with derating Operating altitude 03000 m	P degree of protection		
Permissible ambient air temperature around the device -4060 °C 6070 °C with derating Operating altitude 03000 m	Protective treatment	TH conforming to IEC 60068-2-30	
device 6070 °C with derating Operating altitude 03000 m	Climatic withstand	Conforming to IACS E10 exposure to damp heat	
Operating altitude 03000 m	•	-4060 °C	
Flame retardance V1 conforming to UL 94			
Mechanical robustness Shocks contactor open (8 Gn for 11 ms) Shocks contactor closed (10 Gn for 11 ms) Vibrations contactor opened (2 Gn, 5300 Hz) Vibrations contactor closed (4 Gn, 5300 Hz)		Shocks contactor open (8 Gn for 11 ms) Shocks contactor closed (10 Gn for 11 ms) Vibrations contactor opened (2 Gn, 5300 Hz)	
Height 127 mm	Height	127 mm	
Width 85 mm	Nidth	85 mm	
Depth 125 mm	Depth	125 mm	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	15.200 cm
Package 1 Width	11.200 cm
Package 1 Length	13.200 cm
Package 1 Weight	1.454 kg
Unit Type of Package 2	S02
Number of Units in Package 2	5
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	7.645 kg

Offer Sustainability

Sustainable offer status	Green Premium product	
REACh Regulation	☑REACh Declaration	
REACh free of SVHC	Yes	
EU RoHS Directive	Compliant EEU RoHS Declaration	
Toxic heavy metal free	Yes	
Mercury free	Yes	
China RoHS Regulation	☑ China RoHS Declaration	
RoHS exemption information	₫Yes	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	No need of specific recycling operations	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	

Contractual warranty

Contractadi wai	many	
Warranty	18 months	