



TeSys D contactor - 4P(2 NO + 2 NC) - AC-1 - <= 440 V 80 A - 120 V AC 60 Hz coil

Local distributor code: 402814852

LC1D65008G6

! Discontinued on: 9 Feb 2023

! Discontinued

EAN Code: 3389110072945

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	Rated Operational Voltage Power circuit: <= 690 V AC 25400 Hz	
[le] Rated Operational Current	Operational Current 80 A (at <60 °C) at <= 440 V AC AC-1 for power circuit	
[Uc] Control Circuit Voltage	120 V AC 60 Hz	

Complementary

Compatibility Code	LC1D	
Pole Contact Composition	2 NO + 2 NC	
Protective Cover	Without	
[Ith] Conventional Free Air Thermal Current	80 A (at 60 °C) for power circuit	
Irms Rated Making Capacity	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	
[Icw] 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	
Associated Fuse Rating	125 A gG at <= 690 V coordination type 1 for power circuit 125 A gG at <= 690 V coordination type 2 for power circuit	
Average Impedance	1.5 mOhm - Ith 80 A 50 Hz for power circuit	
Power Dissipation Per Pole	9.6 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 80 A AC-1 at Ue <= 440 V
Control Circuit Type	AC at 60 Hz
Coil Technology	Without built-in suppressor module
Control Circuit Voltage Limits	0.851.1 Uc (-4060 °C):operational AC 60 Hz 0.30.6 Uc (-4070 °C):drop-out AC 60 Hz 11.1 Uc (6070 °C):operational AC 60 Hz
Inrush Power In Va	140 VA 60 Hz cos phi 0.75 (at 20 °C)
Hold-In Power Consumption In Va	13 VA 60 Hz cos phi 0.3 (at 20 °C)
Heat Dissipation	45 W at 60 Hz
Operating Time	419 ms opening 1226 ms closing
Maximum Operating Rate	3600 cyc/h 60 °C
Connections - Terminals	Control circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: flexible with 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 clamp terminals 1 14 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 1 135 mm² - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 2 125 mm² - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 1 135 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 125 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 135 mm² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 1 135 mm² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 2 125 mm² - cable stiffness: solid without cable end
Tightening Torque	Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 8 N.m - on screw clamp terminals - cable 2535 mm² hexagonal screw head 4 mm Power circuit: 5 N.m - on screw clamp terminals - cable 125 mm² hexagonal screw head 4 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2
Mounting Support	Rail Plate

Environment

Standards CSA C22.2 No 1

CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508

Product Certifications	BV	
	CSA	
	CCC	
	RINA	
	LROS (Lloyds register of shipping)	
	UL	
	GOST	
	GL	
	DNV	
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	
Permissible Ambient Air	-4060 °C	
Temperature Around The 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	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 (3 Gn, 5300 Hz)	
	Vibration's contactor closed (5 on, 5500 nz)	
Height	127 mm	
Width	85 mm	
Depth	125 mm	
Net Weight	1.45 kg	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	13.0 cm
Package 1 Width	9.5 cm
Package 1 Length	13.5 cm
Package 1 Weight	1.46 kg

Contractual warranty

Warranty 18 months

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Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

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Transparency RoHS/REACh

Well-being performance

⊘	Reach Free Of Svhc
⊘	Toxic Heavy Metal Free
⊘	Mercury Free
⊘	Rohs Exemption Information Yes
⊘	Pvc Free

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations