

TeSys D contactor - 4P(4 NO) - AC-1 - <= 440 V 200 A - 48 V DC standard coil

LC1D115004ED

! To be discontinued on: 31 Dec 2026

① To be discontinued

EAN Code: 3389110897746

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 AC-3 AC-3e AC-4	
Poles description	4P	
[Ue] rated operational voltage	Power circuit: <= 1000 V AC 25400 Hz Power circuit: <= 460 V DC	
[le] rated operational current	200 A (at <60 °C) at <= 440 V AC AC-1 for power circuit	
[Uc] control circuit voltage	48 V DC	

Complementary

Compatibility code	LC1D	
Pole contact composition	4 NO	
Protective cover	With	
[Ith] conventional free air thermal current	200 A (at 60 °C) for power circuit	
Irms rated making capacity	1260 A at 440 V for power circuit conforming to IEC 60947	
Rated breaking capacity	1100 A at 440 V for power circuit conforming to IEC 60947	
[lcw] rated short-time withstand current	250 A 40 °C - 10 min for power circuit 550 A 40 °C - 1 min for power circuit 950 A 40 °C - 10 s for power circuit 1100 A 40 °C - 1 s for power circuit	
Associated fuse rating	250 A gG at <= 690 V coordination type 1 for power circuit 200 A gG at <= 690 V coordination type 2 for power circuit	
Average impedance	0.6 mOhm - Ith 200 A 50 Hz for power circuit	
Power dissipation per pole	24 W AC-1	
[Ui] rated insulation voltage	Power circuit: 600 V CSA certified Power circuit: 600 V UL certified Power circuit: 1000 V conforming to IEC 60947-4-1	
Overvoltage category	III	
pollution degree	3	

[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947	
Safety reliability level	B10d = 684932 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 10000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1	
Mechanical durability	8 Mcycles	
Electrical durability	0.8 Mcycles 200 A AC-1 at Ue <= 440 V	
Control circuit type	DC standard	
Coil technology	With integral suppression device	
Control circuit voltage limits	0.751.2 Uc (-4055 °C):operational DC 0.150.4 Uc (-4070 °C):drop-out DC 11.2 Uc (5570 °C):operational DC	
Inrush power in W	270365 W (at 20 °C)	
Hold-in power consumption in W	2.45.1 W at 20 °C	
Operating time	2035 ms closing 4075 ms opening	
Time constant	25 ms	
Maximum operating rate	1200 cyc/h at 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 12.5 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 12.5 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 12.5 mm² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: solid without cable end Power circuit: connector 1 10120 mm² - cable stiffness: flexible without cable end Power circuit: connector 1 10120 mm² - cable stiffness: flexible with cable end Power circuit: connector 2 1050 mm² - cable stiffness: flexible with cable end Power circuit: connector 1 10120 mm² - cable stiffness: solid without cable end Power circuit: connector 2 1050 mm² - cable stiffness: solid without cable end Power circuit: connector 2 1050 mm² - cable stiffness: solid without cable end	
Tightening torque	Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 12 N.m - on connector hexagonal screw head 4 mm Control circuit: 1.2 N.m - on lugs-ring terminals - with screwdriver pozidriv No 2	
Mounting support	Rail Plate	
Environment		
Standards	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 IP degree of protection	CCC UL CSA RINA GOST GL LROS (Lloyds register of shipping) BV DNV UKCA 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 device	-4060 °C 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 (6 Gn for 11 ms)	
Height	158 mm	
Width	150 mm	
Depth	132 mm	
Net weight	2.86 ka	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	16.8 cm
Package 1 Width	21.2 cm
Package 1 Length	18.5 cm
Package 1 Weight	2.75 kg

Logistical informations

Country of origin C

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.eq.CO2 per CR, Total Life cycle)	204
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	A530c666-91dd-4119-8d61-f1c22a361ecb
REACh Regulation	REACh Declaration
PVC free	Yes

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No