

TeSys D contactor - 4P(4 NO) - AC-1 - <= 440 V 200 A - 230 V AC 50/60 Hz coil

LC1D1150046P7

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	230 V AC 50/60 Hz	

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	AC at 50/60 Hz
Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	0.30.5 Uc (-4070 °C):drop-out AC 50/60 Hz 0.81.15 Uc (-4055 °C):operational AC 50/60 Hz 11.15 Uc (5570 °C):operational AC 50/60 Hz
Inrush power in VA	280350 VA 60 Hz cos phi 0.8 (at 20 °C) 280350 VA 50 Hz cos phi 0.8 (at 20 °C)
Hold-in power consumption in VA	218 VA 60 Hz cos phi 0.3 (at 20 °C) 218 VA 50 Hz cos phi 0.3 (at 20 °C)
Heat dissipation	38 W at 50/60 Hz
Operating time	620 ms opening 2050 ms closing
Maximum operating rate	2400 cyc/h at 60 °C
Connections - terminals	Control circuit: lugs-ring terminals - external diameter: 8 mm
Tightening torque	Control circuit: 1.2 N.m - on lugs-ring terminals - with screwdriver flat Ø 6 mm M3.5 Control circuit: 1.2 N.m - on lugs-ring terminals - with screwdriver Philips No 2 M3.5 Power circuit: 12 N.m - on lugs-ring terminals hexagonal screw head 13 mm M8 Power circuit: 12 N.m - on bars hexagonal screw head 13 mm M8 Control circuit: 1.2 N.m - on lugs-ring terminals - with screwdriver pozidriv No 2 M3.5
Mounting support	Plate Rail

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	CCC GL DNV GOST CSA BV RINA LROS (Lloyds register of shipping) UL UKCA	
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 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	155 mm	
Depth	115 mm	
Net weight	2.86 kg	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	16.800 cm
Package 1 Width	21.200 cm
Package 1 Length	18.500 cm
Package 1 Weight	2.370 kg
Unit Type of Package 2	S04
Number of Units in Package 2	3
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	7.760 kg
Unit Type of Package 3	P06
Number of Units in Package 3	12
Package 3 Height	75.000 cm
Package 3 Width	80.000 cm
Package 3 Length	60.000 cm
Package 3 Weight	39.040 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.eq.CO2 per CR, Total Life cycle)	221
Environmental Disclosure	Product Environmental Profile

Use Better

⊗ Materials and Substances	
EU RoHS Directive	Compliant with Exemptions
REACh Regulation	REACh Declaration
China RoHS Regulation	China RoHS declaration
PVC free	Yes

Use Again

○ Repack and remanufacture	
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
Take-back	No