## LC1D65AW7

TeSys; TeSys Deca, Contactor, 3P(3 NO), AC-3, <= 440V, 65 A, 277V, AC 60 Hz coil





## Main

Range	TeSys
Range of product	TeSys Deca
Product or component type	Contactor
Device short name	LC1D
Contactor application	Motor control Resistive load
Utilisation category	AC-3 AC-4 AC-1
Poles description	3P
[Ue] rated operational voltage	Power circuit: <= 690 V AC 25400 Hz Power circuit: <= 300 V DC
[le] rated operational current	80 A (at <60 °C) at <= 440 V AC AC-1 for power circuit 65 A (at <60 °C) at <= 440 V AC AC-3 for power circuit
[Uc] control circuit voltage	277 V AC 60 Hz

## Complementary

11 KW at 400 V AC 50/60 Hz (AC-4) 18.5 KW at 220230 V AC 50/60 Hz (AC-3) 30 KW at 380400 V AC 50/60 Hz (AC-3) 37 KW at 500 V AC 50/60 Hz (AC-3) 37 KW at 660690 V AC 50/60 Hz (AC-3) 18.5 KW at 220230 V AC 50/60 Hz (AC-3e) 30 KW at 380400 V AC 50/60 Hz (AC-3e) 37 KW at 500 V AC 50/60 Hz (AC-3e) 37 KW at 660690 V AC 50/60 Hz (AC-3e)	
40 Hp at 460/480 V AC 50/60 Hz for 3 phases motors 5 Hp at 115 V AC 50/60 Hz for 1 phase motors 10 Hp at 230/240 V AC 50/60 Hz for 1 phase motors 20 Hp at 200/208 V AC 50/60 Hz for 3 phases motors 20 Hp at 230/240 V AC 50/60 Hz for 3 phases motors 50 hp at 575/600 V AC 50/60 Hz for 3 phases motors	
LC1D	
3 NO	
With	
10 A (at 60 °C) for signalling circuit 80 A (at 60 °C) for power circuit	
140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 1000 A at 440 V for power circuit conforming to IEC 60947	
1000 A at 440 V for power circuit conforming to IEC 60947	
640 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 100 A - 1 s for signalling circuit 120 A - 500 ms for signalling circuit 140 A - 100 ms for signalling circuit	
10 A gG for signalling circuit conforming to IEC 60947-5-1 125 A gG at <= 690 V coordination type 1 for power circuit 125 A gG at <= 690 V coordination type 2 for power circuit	
1.5 mOhm - Ith 80 A 50 Hz for power circuit	

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 interested for a set of or determining suitability or intelability of these products for specific user applications. It is the documentation is not integrator to perform the appropriate and complete risk analysis, evaluating of the products with respect to the relevant specific application or use thereof. Neither Schmeider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Power dissipation per pole	9.6 W AC-1 6.3 W AC-3
[Ui] rated insulation voltage	Power circuit: 600 V CSA certified
	Power circuit: 600 V UL certified Signalling circuit: 690 V conforming to IEC 60947-1
	Signalling circuit: 600 V CSA certified
	Signalling 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 1.45 Mcycles 65 A AC-3 at Ue <= 440 V
Control circuit type	AC at 60 Hz
Coil technology	Without built-in suppressor module
Control circuit voltage limits	0.30.6 Uc (-4070 °C):drop-out AC 60 Hz
	0.851.1 Uc (-4060 °C):operational 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 mm <sup>2</sup> - 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 mm <sup>2</sup> - 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: EverLink BTR screw connectors 1 135 mm² - cable stiffness: flexible without cable end
	Power circuit: EverLink BTR screw connectors 2 125 mm <sup>2</sup> - cable stiffness: flexible without cable end
	Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness:
	flexible with cable end Power circuit: EverLink BTR screw connectors 2 125 mm <sup>2</sup> - cable stiffness:
	flexible with cable end Power circuit: EverLink BTR screw connectors 1 135 mm² - cable stiffness:
	solid without cable end
	Power circuit: EverLink BTR screw connectors 2 125 mm² - cable stiffness: solid without cable end
Tightening torque	Control circuit: 1.7 N.m - on EverLink BTR screw connectors - with screwdriver flat Ø 6 mm
	Control circuit: 1.7 N.m - on EverLink BTR screw connectors - with screwdriver
	Philips No 2 Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 2535 mm²
	hexagonal screw head 4 mm
	Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 125 mm <sup>2</sup> hexagonal screw head 4 mm
Auxiliary contact composition	1 NO + 1 NC
· · · · · · · · · · · · · · · · · · ·	
Auxiliary contacts type	Type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1  Type mirror contact 1 NC conforming to IEC 60947-4-1
	Type mirror contact 1 NC conforming to IEC 60947-4-1
Signalling circuit frequency	Type mirror contact 1 NC conforming to IEC 60947-4-1 25400 Hz
	Type mirror contact 1 NC conforming to IEC 60947-4-1

Non-overlap time	1.5 Ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact
Mounting support	Rail Plate
	T Idio
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	UL[RETURN]CSA[RETURN]CCC[RETURN]GOST
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 (10 Gn for 11 ms)
Height	122 mm
Width	55 mm
Depth	120 mm
Net weight	0.86 kg
Packing Units	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6 cm
Package 1 Width	14 cm
Package 1 Length	15 cm
Package 1 Weight	850 g
Offer Sustainability	
Sustainable offer status	Green Premium product
REACh free of SVHC	Yes
EU RoHS Directive	Compliant <sup>₫</sup> EU 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	End Of Life Information
on our anny it rome	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractaar	warranty
Marranty	

Warranty	18 months	