

LC1D956R7

TeSys D contactor - 3P(3 NO) - AC-3 - ≤ 440 V
95 A - 440 V AC 50/60 Hz coil

Product availability : Non-Stock - Not normally stocked in distribution facility



LC1D956R7 has not been replaced. Please contact your customer care center for more information.

❗ Discontinued

Main

Range	TeSys
Product name	TeSys D
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
Power pole contact composition	3 NO
[Ue] rated operational voltage	Power circuit ≤ 300 V DC 25...400 Hz Power circuit ≤ 1000 V AC
[Ie] rated operational current	125 A 140 °F (60 °C) ≤ 440 V AC AC-1 power circuit 95 A 140 °F (60 °C) ≤ 440 V AC AC-3 power circuit
Motor power kW	45 kW 415...440 V AC 50/60 Hz AC-3) 55 kW 500 V AC 50/60 Hz AC-3) 45 kW 660...690 V AC 50/60 Hz AC-3) 45 kW 1000 V AC 50/60 Hz AC-3) 15 kW 400 V AC 50/60 Hz AC-4) 25 kW 220...230 V AC 50/60 Hz AC-3) 45 kW 380...400 V AC 50/60 Hz AC-3)
Motor power HP (UL / CSA)	20 hp 200/208 V AC 50/60 Hz 3 phase 7.5 hp 115 V AC 50/60 Hz 1 phase 15 hp 230/240 V AC 50/60 Hz 1 phase 25 hp 230/240 V AC 50/60 Hz 3 phase 60 hp 460/480 V AC 50/60 Hz 3 phase 60 hp 575/600 V AC 50/60 Hz 3 phase
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	440 V AC 50/60 Hz
Auxiliary contact composition	1 NO + 1 NC

[Uimp] rated impulse withstand voltage	8 kV IEC 60947
Overvoltage category	III
[Ith] conventional free air thermal current	10 A 140 °F (60 °C) signalling circuit 125 A 140 °F (60 °C) power circuit
Irms rated making capacity	140 A AC signalling circuit IEC 60947-5-1 250 A DC signalling circuit IEC 60947-5-1 1100 A 440 V power circuit IEC 60947
Rated breaking capacity	1100 A 440 V power circuit IEC 60947
[Icw] rated short-time withstand current	1100 A 104 °F (40 °C) - 1 s power circuit 135 A 104 °F (40 °C) - 10 min power circuit 800 A 104 °F (40 °C) - 10 s power circuit 400 A 104 °F (40 °C) - 1 min power circuit 100 A - 1 s signalling circuit 120 A - 500 ms signalling circuit 140 A - 100 ms signalling circuit
Associated fuse rating	10 A gG signalling circuit IEC 60947-5-1 200 A gG ≤ 690 V type 1 power circuit 160 A gG ≤ 690 V type 2 power circuit
Average impedance	0.8 mOhm - Ith 125 A 50 Hz power circuit
[Ui] rated insulation voltage	Power circuit 600 V CSA Power circuit 600 V UL Power circuit 1000 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-1 Signalling circuit 600 V CSA Signalling circuit 600 V UL
Electrical durability	1.2 Mcycles 95 A AC-3 ≤ 440 V 1.3 Mcycles 125 A AC-1 ≤ 440 V
Power dissipation per pole	12.5 W AC-1 7.2 W AC-3
Front cover	With
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	LROS (Lloyds register of shipping) BV DNV RINA CCC GL GOST
Connections - terminals	Control circuit lugs-ring terminals 0.31 in (8 mm)) Power circuit bars 1 3 x 16 mm Power circuit lugs-ring terminals 0.67 in (17 mm))
Tightening torque	Control circuit 10.62 lbf.in (1.2 N.m) lugs-ring terminals flat Ø 6 mm M3.5 Control circuit 10.62 lbf.in (1.2 N.m) lugs-ring terminals Philips No 2 M3.5 Power circuit 79.66 lbf.in (9 N.m) lugs-ring terminals flat Ø 8 mm M6 Power circuit 79.66 lbf.in (9 N.m) lugs-ring terminals hexagonal 0.39 in (10 mm) M6 Power circuit 79.66 lbf.in (9 N.m) bars flat Ø 8 mm M6 Power circuit 79.66 lbf.in (9 N.m) bars hexagonal 0.39 in (10 mm) M6
Operating time	20...35 ms closing 6...20 ms opening
Safety reliability level	B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1
Mechanical durability	4 Mcycles
Maximum operating rate	3600 cyc/h 140 °F (60 °C)

Complementary

Coil technology	Without built-in suppressor module
Control circuit voltage limits	Operational 0.85...1.1 Uc AC 60 Hz 131 °F (55 °C)) Drop-out 0.3...0.6 Uc AC 50/60 Hz 131 °F (55 °C))

	Operational 0.8...1.1 Uc AC 50 Hz 131 °F (55 °C))
Inrush power in VA	245 VA 60 Hz 0.75 68 °F (20 °C)) 245 VA 50 Hz 0.75 68 °F (20 °C))
Hold-in power consumption in VA	26 VA 60 Hz 0.3 68 °F (20 °C)) 26 VA 50 Hz 0.3 68 °F (20 °C))
Heat dissipation	6...10 W 50/60 Hz
Auxiliary contacts type	Mechanically linked 1 NO + 1 NC IEC 60947-5-1 Mirror contact 1 NC IEC 60947-4-1
Signalling circuit frequency	25...400 Hz
Minimum switching current	5 mA signalling circuit
Minimum switching voltage	17 V signalling circuit
Non-overlap time	1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact
Insulation resistance	> 10 MOhm signalling circuit

Environment

IP degree of protection	IP20 front face IEC 60529
Protective treatment	TH IEC 60068-2-30
Pollution degree	3
Ambient air temperature for operation	23...140 °F (-5...60 °C)
Ambient air temperature for storage	-76...176 °F (-60...80 °C)
Permissible ambient air temperature around the device	-40...158 °F (-40...70 °C) at Uc
Operating altitude	9842.52 ft (3000 m) without
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Flame retardance	V1 UL 94
Mechanical robustness	Vibrations contactor open2 Gn, 5...300 Hz Shocks contactor open8 Gn for 11 ms Vibrations contactor closed3 Gn, 5...300 Hz Shocks contactor closed10 Gn for 11 ms
Height	5.00 in (127 mm)
Width	3.35 in (85 mm)
Depth	5.12 in (130 mm)
Net weight	3.55 lb(US) (1.61 kg)

Ordering and shipping details

Category	22359 - CTR, TESYS D, OPEN, 80-150A AC&DC
Discount Schedule	I12
GTIN	03389118355729
Returnability	No
Country of origin	CZ

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide which is known to the State of California to cause Carcinogen harm. For more information go to www.p65warnings.ca.gov
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration

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.
Contractual warranty	
Warranty	18 months