

## Product data sheet

### Characteristics

# LC1D50AM7TQ

contactor TeSys LC1-D - 3 poles- AC-3 - 440 V  
50 A - coil 220 V AC



### Principale

Gama de produse	TeSys D
Gama	TeSys
Tip produs sau componenta	Contactator
Nume scurt al dispozitivului	LC1D
Aplicatie contactor	Comanda motor Sarcina rezistiva
Categorie de utilizare	AC-3 AC-2 AC-1 AC-4
Tipul circuitului de comanda	AC at 50/60 Hz
Descriere poli	3P
Compozitie contact pol	3 NO
[Ie] curent nominal de utilizare	50 A 60 °C) la <= 440 V c.a. AC-3 pentru circuit electric 80 A (at <60 °C) at <= 440 V AC AC-1 for power circuit
Putere motor kW	22 KW la 380...400 V c.a. 50 Hz (AC-3) 25 KW la 415 V c.a. 50 Hz (AC-3) 30 KW la 440 V c.a. 50 Hz (AC-3) 30 KW la 500 V c.a. 50 Hz (AC-3) 33 KW la 660...690 V c.a. 50 Hz (AC-3) 15 KW la 220...230 V c.a. 50 Hz (AC-3) 11 kW at 400 V AC 50 Hz (AC-4)
Cantitate pe set	Set de 10

### Suplimentare

Tehnologie bobine	Fara supresor cu dioda limitatoare de varf bidirectionalaincorporat
Capac de protectie	Cu
Putere motor hp	3 Hp at 115 V AC 60 Hz for 1 phase motors 7.5 Hp at 230/240 V AC 60 Hz for 1 phase motors 15 Hp at 200/208 V AC 60 Hz for 3 phases motors 15 Hp at 230/240 V AC 60 Hz for 3 phases motors 40 Hp at 460/480 V AC 60 Hz for 3 phases motors 40 hp at 575/600 V AC 60 Hz for 3 phases motors
Tip contacte auxiliare	Type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1 Type mirror contact 1 NC conforming to IEC 60947-4-1
Compozitie contact auxiliar	1 NO + 1 NC
[Uc] tensiune circuit de comanda	220 V AC 50/60 Hz
[Ui] tensiune nominala de izolatie	Control circuit: 600 V CSA certified Control circuit: 600 V UL certified Power circuit: 600 V CSA certified Power circuit: 600 V UL certified Control circuit: 690 V conforming to IEC 60947-1 Power circuit: 690 V conforming to IEC 60947-1
[Uimp] tensiune de tinere la impuls	6 kV conforming to IEC 60947
Categorie de supratensiune	III
Suport de montare	Placa Sina

Intarziere flacara	V1 conforming to UL 94
Conexiuni - borne	Control circuit: screw clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> rigid Control circuit: screw clamp terminals 2 cable(s) 1...4 mm <sup>2</sup> rigid Control circuit: screw clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> flexible with cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm <sup>2</sup> rigid Power circuit: EverLink BTR screw connectors 2 cable(s) 1...25 mm <sup>2</sup> rigid Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm <sup>2</sup> flexible without cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 1...25 mm <sup>2</sup> flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm <sup>2</sup> flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 1...25 mm <sup>2</sup> flexible with cable end
Cuplu de strangere	Control circuit: 1.7 N.m - on screw clamp terminal - with screwdriver flat Ø 6 mm Control circuit: 1.7 N.m - on screw clamp terminal - with screwdriver Philips No 2 Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 1...25 mm <sup>2</sup> - with screwdriver hex (Allen key)4 mm Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 35 mm <sup>2</sup> - with screwdriver hex (Allen key)4 mm
[Ue] tensiune nominala de functionare	Power circuit: ≤ 690 V AC 25...400 Hz
[Ith] curent termic conventional in aer liber	10 A (at 60 °C) for control circuit 80 A (at 60 °C) for power circuit
Irms capacitatea nominala la inchidere	900 A at 440 V for power circuit conforming to IEC 60947 140 A AC for control circuit conforming to IEC 60947-5-1
Capacitate de rupere nominala	900 A at 440 V for power circuit conforming to IEC 60947
Calibrul fuzibilului asociat	10 A gG for control circuit conforming to IEC 60947-5-1 100 A gG at ≤ 690 V coordination type 1 for power circuit 100 A gG at ≤ 690 V coordination type 2 for power circuit
Puterea disipata pe pol	3.7 W AC-3 9.6 W AC-1
Consum de energie conectare in VA	140 VA cos phi 0.75 (at 20 °C) 160 VA cos phi 0.75 (at 20 °C)
Consum de energie mentinere in VA	13 VA 60 Hz cos phi 0.3 (at 20 °C) 15 VA 50 Hz cos phi 0.3 (at 20 °C)
Timp de functionare	4...19 ms opening 12...26 ms closing
Nivel de incredere al securitatii	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 2000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Durabilitate mecanica	6000000 cic
Viteza maxima de functionare	3600 cyc/h 60 °C
Curentul minim de comutare	5 mA for control circuit
Tensiunea minima de comutare	17 V for control circuit
Timpul de nesuprapunere	1.5 Ms on de-energisation between NC and NO contacts 1.5 ms on energisation between NC and NO contacts
Rezistenta de izolatie	> 10 MOhm for control circuit
Inaltime	122 mm
Latime	55 mm
Adancime	120 mm
Greutate produs	1,4 kg
Cod compatibilitate	LC1D

## Mediu

Standarde	UL 508 SR EN 60947-5-1 CSA C22.2 No 15 SR EN 60947-4-1 IEC 60947-4-1 EN 60947-5-1
Certificari produs	GL LROS (In asteptare) RINA CSA UL BV GOST DNV CCC
Grad de protectie IP	IP2x conforming to IEC 60529 IP2x conforming to VDE 0106
Temperatura de depozitare	-60...80 °C
Altitudinea de functionare	3000 m without derating
Rezistenta la foc	850 °C conforming to IEC 60695-2-1
Rezistenta la socuri	10 gn contactor opened 15 gn contactor closed
Rezistenta la vibratii	2 gn 5...300 Hz contactor opened 4 gn 5...300 Hz contactor closed
Disipare de caldura	4...5 W at 50/60 Hz for control circuit

## Durabilitatea ofertei

Stare ofertă sustenabilă	Produs Green Premium
Regulamentul REACH	<a href="#">Declaratia REACH</a>
Conform REACH fara SVHC	Da
Directiva RoHS UE	Conform <a href="#">Declaratia RoHS UE</a>
Fara metale grele toxice	Da
Fara mercur	Da
Informatii privind scutirea de la RoHS	<a href="#">Da</a>
Regulamentul RoHS China	<a href="#">Declaratia RoHS China</a>
Raport de mediu	<a href="#">Profilul Ambiental Al Produsului</a>
Profil circularitate	<a href="#">Informatii Privind Sfarsitul Duratei De Viata</a>
WEEE	În Uniunea Europeana, produsele trebuie reciclate respectand sistemul specific de colectare a deseurilor si nu trebuie sa ajunga in pubelele de colectare a deseurilor menajere.
Fara PVC	Da