Product data sheet
Characteristics

LC1D50ABDTQ
contactor TeSys LC1-D - 3 poles - AC-3 440V 50 A - coil 24 V DC

Principale

Gama de produse	TeSys D
Gama	TeSys
Tip produs sau componenta	Contactor
Nume scurt al dispozitivului	LC1D
Aplicatie contactor	Comanda motor Sarcina rezistiva
Categorie de utilizare	AC-3 AC-1 AC-4 AC-2
Tipul circuitului de comanda	DC standard
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	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	24 V DC
Constanta de timp	34 ms
[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	Sina Placa
Intarziere flacara	V1 conforming to UL 94
Conexiuni - borne	Control circuit: screw clamp terminals 1 cable(s) 1…4 mm²rigid Control circuit: screw clamp terminals 2 cable(s) 1…4 mm²rigid Control circuit: screw clamp terminals 1 cable(s) 1…4 mm²flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1…4 mm²flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1…4 mm²flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1…2.5 mm²flexible with cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1…35 mm²rigid Power circuit: EverLink BTR screw connectors 2 cable(s) 1…25 mm²rigid Power circuit: EverLink BTR screw connectors 1 cable(s) 1…35 mm²flexible without cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 1…25 mm²flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1…35 mm²flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 1…25 mm²flexible 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 mm² - with screwdriver hex (Allen key)4 mm Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 35 mm² - 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	250 A DC for control circuit conforming to IEC 60947-5-1 900 A at 440 V for power circuit conforming to IEC 60947
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 W	19 W (at 20 °C)
Consum de energie mentinere in W	7.4 W at 20 °C
Timp de functionare	20 ms opening 50 ms closing
Nivel de incredere al securitatii	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
Durabilitate mecanica	10000000 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
Putere nominala de functionare in W	14 W la 24 V DC-13 - durabilitatea electrică: 10000000 cic - pentru circuit de comanda 48 W la 24 V DC-13 - durabilitatea electrică: 3000000 cic - pentru circuit de comanda 96 W la 24 V DC-13 - durabilitatea electrică: 1000000 cic - pentru circuit de comanda
Inaltime	122 mm
Latime	55 mm
Adancime	120 mm
Greutate produs	2,185 kg
Cod compatibilitate	LC1D

Mediu

Standarde	SR EN 60947-5-1 SR EN 60947-4-1 UL 508 CSA C22.2 No 15 EN 60947-5-1 IEC 60947-4-1
Certificari produs	UL DNV GOST GL LROS (In asteptare) BV RINA CCC CSA
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

Durabilitatea ofertei

Stare ofertă sustenabilă	Produs Green Premium
Directiva RoHS UE	Conformitate proactivă (Produs în afara domeniului de aplicare a EU RoHS) Declaratia RoHS UE
Raport de mediu	Profilul Ambiental Al Produsului
Profil circularitate	Informatii Privind Sfarsitul Duratei De Viata