

Product data sheet

Characteristics

LC1D40AED

TeSys D contactor - 3P(3 NO) - AC-3 - ≤ 440
V 40 A - 48 V DC standard coil





Principale

Gama	TeSys
Nume produs	TeSys D
Tip produs sau componenta	Contacteur
Nume scurt al dispozitivului	LC1D
Aplicatie contactor	Comanda motor Sarcina rezistiva
Categorie de utilizare	AC-1 AC-4 AC-3
Descriere poli	3P
Power pole contact composition	3 NO
[Ue] tensiune nominala de functionare	Power circuit: ≤ 690 V AC 25...400 Hz Power circuit: ≤ 300 V DC
[Ie] curent nominal de utilizare	60 A (at <60 °C) at ≤ 440 V AC AC-1 for power circuit 40 A (at <60 °C) at ≤ 440 V AC AC-3 for power circuit
Putere motor kW	18,5 KW la 380...400 V c.a. 50/60 Hz (AC-3) 11 KW la 220...230 V c.a. 50/60 Hz (AC-3) 22 KW la 415...440 V c.a. 50/60 Hz (AC-3) 22 KW la 500 V c.a. 50/60 Hz (AC-3) 30 KW la 660...690 V c.a. 50/60 Hz (AC-3) 9 kW la 400 V c.a. 50/60 Hz (AC-4)
Motor power HP (UL / CSA)	5 CP la 230/240 V c.a. 50/60 Hz pentru 1 fază motoare 10 CP la 230/240 V c.a. 50/60 Hz pentru 3 faze motoare 30 CP la 575/600 V c.a. 50/60 Hz pentru 3 faze motoare 10 CP la 200/208 V c.a. 50/60 Hz pentru 3 faze motoare 3 CP la 115 V c.a. 50/60 Hz pentru 1 fază motoare 30 CP la 460/480 V c.a. 50/60 Hz pentru 3 faze motoare
Tipul circuitului de comanda	DC standard
[Uc] tensiune circuit de comanda	48 V DC
Compozitie contact auxiliar	1 NO + 1 NC
[Uimp] tensiune de tinere la impuls	6 kV conforming to IEC 60947
Categorie de supratensiune	III
[Ith] curent termic conventional in aer liber	10 A (at 60 °C) for signalling circuit 60 A (at 60 °C) for power circuit
Irms capacitatea nominala la inchidere	140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 800 A at 440 V for power circuit conforming to IEC 60947
Capacitate de rupere nominala	800 A at 440 V for power circuit conforming to IEC 60947
[Icw] curent nominal de scurtcircuit admisibil	320 A 40 °C - 10 s for power circuit 720 A 40 °C - 1 s for power circuit 72 A 40 °C - 10 min for power circuit 165 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

Calibrul fuzibilului asociat	10 A gG for signalling circuit conforming to IEC 60947-5-1 80 A gG at <= 690 V coordination type 1 for power circuit 80 A gG at <= 690 V coordination type 2 for power circuit
Impedanta medie	1.5 mOhm - Ith 60 A 50 Hz for power circuit
[Ui] tensiune nominala de izolare	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
Durabilitate electrica	0,7 Mcycles 60 A AC-1 la Ue <= 440 V 1,5 Mcycles 40 A AC-3 la Ue <= 440 V
Puterea disipata pe pol	2.4 W AC-3 5.4 W AC-1
Front cover	Cu
Suport de montare	Placa Sina
Standarde	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508
Certificari produs	UL GOST CCC CSA
Conexiuni - borne	Control circuit: screw clamp terminals 2 cable(s) 1... 2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1... 4 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1... 4 mm ² flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1... 4 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1... 4 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1... 4 mm ² solid without cable end Circuit electric screw connection 1 cablu(ri) 1... 35 mm ² flexibil fara Circuit electric screw connection 2 cablu(ri) 1... 25 mm ² flexibil fara Circuit electric screw connection 1 cablu(ri) 1... 35 mm ² flexibil cu Circuit electric screw connection 2 cablu(ri) 1... 25 mm ² flexibil cu Circuit electric screw connection 1 cablu(ri) 1... 35 mm ² solid fara Circuit electric screw connection 2 cablu(ri) 1... 25 mm ² solid fara
Cuplu de strangere	Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Circuit electric 8 N.m - pornit conectori EverLink cu şurub BTR - cablu 25...35 mm ² hexagonal 4 mm Circuit electric 5 N.m - pornit conectori EverLink cu şurub BTR - cablu 1...25 mm ² hexagonal 4 mm
Timp de functionare	42.5...57.5 ms închidere 16...24 ms opening
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	10 Mcycles
Viteza maxima de functionare	3600 cyc/h 60 °C

Suplimentare

Tehnologie bobine	Supresor cu dioda limitatoare de varf bidirectionalaincorporat
Limite de tensiune circuit de comanda	0.1...0.3 Uc (-40...70 °C):drop-out DC 0.75...1.25 Uc -40...60 °C operațional c.c. 1...1.25 Uc (60...70 °C):operational DC
Constanta de timp	34 ms
Consum de energie conectare in W	19 W (at 20 °C)
Consum de energie mentinere in W	7.4 W at 20 °C
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
Afisare frecventa circuit	25...400 Hz
Curentul minim de comutare	5 mA for signalling circuit
Tensiunea minima de comutare	17 V for signalling circuit
Timpul de nesuprapunere	1.5 Ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact
Rezistenta de izolare	> 10 MOhm for signalling circuit
Compatibilitatea contactelor	M4
Cod compatibilitate	LC1D
Motor power range	7...11 KW la 200...240 V 3 faze 15...25 KW la 380...440 V 3 faze 15...25 kW la 480...500 V 3 faze
Tip demaror motor	Direct on-line contactor
Tensiune contactor bobina	48 V c.c. standard




Mediu

Grad de protectie IP	IP20 front face conforming to IEC 60529
Tratament protector	TH conforming to IEC 60068-2-30
Grad de poluare	3
Temperatura ambientală de utilizare	-40...60 °C 60...70 °C with derating
Temperatura de depozitare	-60...80 °C
Altitudinea de functionare	0...3000 m
Rezistenta la foc	850 °C conforming to IEC 60695-2-1
Intarziere flacara	V1 conforming to UL 94
Rezistenta mecanica	Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 4 Gn, 5...300 Hz Shocks contactor closed: 15 Gn for 11 ms Shocks contactor open: 10 Gn for 11 ms
Inaltime	122 mm
Latime	55 mm
Adancime	120 mm
Greutate produs	0,925 kg

Unitati de impachetare

Greutate colet(Lbs)	997 g
Greutatea formei de impachetare 2	10,302 kg
Greutatea formei de impachetare 3	174,66 kg

Durabilitatea ofertei

Stare ofertă sustenabilă	Produs Green Premium
Regulamentul REACH	 Declaratia REACH
Conform REACH fara SVHC	Da
Directiva RoHS UE	Conform  Declaratia RoHS UE
Fara metale grele toxice	Da
Fara mercur	Da
Informatii privind scutirea de la RoHS	 Da

Regulamentul RoHS China	Declaratia RoHS China
Raport de mediu	Profilul Ambiental Al Produsului
Profil circularitate	Informatii Privind Sfarsitul Duratei De Viata
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

Garanție contractuală

Garantie	18 months
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