

Product data sheet

Characteristics

LC1D40AN7

TeSys D contactor - 3P(3 NO) - AC-3 - ≤ 440
V 40 A - 415 V AC 50/60 Hz coil





Principale

Gama	TeSys
Nume produs	TeSys D
Tip produs sau componenta	Contacteur
Nume scurt al dispozitivului	LC1D
Aplicatie contactor	Sarcina rezistiva Comanda motor
Categorie de utilizare	AC-1 AC-3 AC-4
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	AC at 50/60 Hz
[Uc] tensiune circuit de comanda	415 V AC 50/60 Hz
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	1.4 Mcycles 60 A AC-1 at $U_e \leq 440$ V 1,5 Mcycles 40 A AC-3 la $U_e \leq 440$ V
Puterea disipata pe pol	2.4 W AC-3 5.4 W AC-1
Front cover	Cu
Suport de montare	Sina Placa
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	GOST UL CSA CCC
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 Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm ² flexible without cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 1...25 mm ² flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm ² flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 1...25 mm ² flexible with cable end Circuit electric conectori EverLink cu şurub BTR 1 cablu(ri) 1...35 mm ² solid fara Circuit electric conectori EverLink cu şurub BTR 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	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 = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Durabilitate mecanica	6 Mcycles
Viteza maxima de functionare	3600 cyc/h 60 °C

Suplimentare

Tehnologie bobine	Fără modul de deparazitare inclus
Limite de tensiune circuit de comanda	0.3...0.6 Uc (-40...70 °C):drop-out AC 50/60 Hz 0.8...1.1 Uc (-40...60 °C):operational AC 50 Hz 0.85...1.1 Uc (-40...60 °C):operational AC 60 Hz 1...1.1 Uc (60...70 °C):operational AC 50/60 Hz
Consum de energie conectare in VA	140 VA 60 Hz cos phi 0.75 (at 20 °C) 160 VA 50 Hz 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)
Disipare de caldura	4...5 W at 50/60 Hz
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 izolatie	> 10 MOhm for signalling circuit
Compatibilitatea contactelor	M2
Cod compatibilitate	LC1D

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 ambientala 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	0,85 kg

Unitati de impachetare

Greutate colet(Lbs)	0,916 kg
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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 Europeană, produsele trebuie reciclate respectând sistemul specific de colectare a deșeurilor și nu trebuie să ajungă în puștele de colectare a deșeurilor menajere.
Fără PVC	Da
Garanție contractuală	
Garantie	18 months