

## Product data sheet

### Characteristics

# LC1D40ABD

TeSys D contactor - 3P(3 NO) - AC-3 -  $\leq 440$   
V 40 A - 24 V DC standard 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: $\leq 690$ V AC 25...400 Hz Power circuit: $\leq 300$ V DC
[Ie] curent nominal de utilizare	60 A (at $<60$ °C) at $\leq 440$ V AC AC-1 for power circuit 40 A (at $<60$ °C) at $\leq 440$ 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	24 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 $\leq 690$ V coordination type 1 for power circuit 80 A gG at $\leq 690$ V coordination type 2 for power circuit
Impedanta medie	1.5 mOhm - Ith 60 A 50 Hz for power circuit
[U <sub>i</sub> ] 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 U <sub>e</sub> $\leq 440$ V 1,5 Mcycles 40 A AC-3 la U <sub>e</sub> $\leq 440$ 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	CCC CSA GOST UL
Conexiuni - borne	Control circuit: screw clamp terminals 2 cable(s) 1... 2.5 mm <sup>2</sup> flexible with cable end 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 1 cable(s) 1... 4 mm <sup>2</sup> solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1... 4 mm <sup>2</sup> solid without cable end Circuit electric screw connection 1 cablu(ri) 1... 35 mm <sup>2</sup> flexibil fara Circuit electric screw connection 2 cablu(ri) 1... 25 mm <sup>2</sup> flexibil fara Circuit electric screw connection 1 cablu(ri) 1... 35 mm <sup>2</sup> flexibil cu Circuit electric screw connection 2 cablu(ri) 1... 25 mm <sup>2</sup> flexibil cu Circuit electric screw connection 1 cablu(ri) 1... 35 mm <sup>2</sup> solid fara Circuit electric screw connection 2 cablu(ri) 1... 25 mm <sup>2</sup> solid fara
Cuplu de strangere	Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat $\varnothing$ 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 <sup>2</sup> hexagonal 4 mm Circuit electric 5 N.m - pornit conectori EverLink cu şurub BTR - cablu 1...25 mm <sup>2</sup> 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 at 380...440 V 3 phases 15...25 kW at 480...500 V 3 phases
Tip demaror motor	Direct on-line contactor
Tensiune contactor bobina	24 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

Tip unitate a formei de impachetare 1	PCE
Număr de produse în pachet	1
Greutate colet(Lbs)	989 g
Inaltimea formei de impachetare 1	6,2 cm
Latimea formei de impachetare 1	13,7 cm
Lungimea formei de impachetare 1	15,2 cm
Greutatea formei de impachetare 2	10,278 kg
Greutatea formei de impachetare 3	177,86 kg

## 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

## Garanție contractuală

Garantie	18 months
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