





## Teknisk informasjon

Serie	TeSys
Produktnavn	TeSys D
Produkt eller type komponent	Kontaktor
Kortnavn utstyr	LC1D
Contactor application	Motor control Omsk last
Driftskategori	AC-1 AC-4 AC-3
Antall poler	3P
Power pole contact composition	3 NO
[Ue] merkespenning	Power circuit: $\leq 690$ V AC 25...400 Hz Power circuit: $\leq 300$ V DC
[Ie] nominell driftsstrøm	25 A (at $\leq 60$ °C) at $\leq 440$ V AC AC-1 for power circuit 12 A (at $\leq 60$ °C) at $\leq 440$ V AC AC-3 for power circuit
Motoreffekt kW	3 kW at 220...230 V AC 50/60 Hz (AC-3) 5.5 kW at 380...400 V AC 50/60 Hz (AC-3) 5.5 kW at 415...440 V AC 50/60 Hz (AC-3) 7.5 kW at 500 V AC 50/60 Hz (AC-3) 7.5 kW at 660...690 V AC 50/60 Hz (AC-3) 3.7 kW at 400 V AC 50/60 Hz (AC-4)
Motor power HP (UL / CSA)	0.5 Hp at 115 V AC 50/60 Hz for 1 phase motors 2 Hp at 230/240 V AC 50/60 Hz for 1 phase motors 3 Hp at 200/208 V AC 50/60 Hz for 3 phases motors 3 Hp at 230/240 V AC 50/60 Hz for 3 phases motors 7.5 Hp at 460/480 V AC 50/60 Hz for 3 phases motors 10 hp at 575/600 V AC 50/60 Hz for 3 phases motors
Kontrollkretstype	DC standard
Styrespenning	110 V DC
Hjelpekontakt sammensetning	1 NO + 1 NC
[Uimp] Nominell impuls <span>­</span> spenning	6 kV conforming to IEC 60947
Overspenningskategori	III
[Ith] fri luft termisk strøm	25 A (at 60 °C) for power circuit 10 A (at 60 °C) for signalling circuit
Irms rated making capacity	250 A at 440 V for power circuit conforming to IEC 60947 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1
Rated breaking capacity	250 A at 440 V for power circuit conforming to IEC 60947
[Icw] kort-tids/ korts <span>­</span> lutnings merke <span>­</span> strøm	105 A 40 °C - 10 s for power circuit 210 A 40 °C - 1 s for power circuit 30 A 40 °C - 10 min for power circuit 61 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
Sikrings <span>­</span> størrelse	10 A gG for signalling circuit conforming to IEC 60947-5-1 40 A gG at $\leq 690$ V coordination type 1 for power circuit 25 A gG at $\leq 690$ V coordination type 2 for power circuit
Gjennomsnittlig impedanse	2.5 mOhm - Ith 25 A 50 Hz for power circuit

[Ui] isolasjonsspenning	Power circuit: 690 V conforming to IEC 60947-4-1 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
Elektrisk levetid	2 Mcycles 12 A AC-3 at $U_e \leq 440$ V 0.8 Mcycles 25 A AC-1 at $U_e \leq 440$ V
Power dissipation per pole	0.36 W AC-3 1.56 W AC-1
Front cover	Med
Montering	Skinne Plate
Standarder	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508
Produktsertifikater	CSA BV CCC GOST DNV GL LROS (Lloyds register of shipping) UL RINA UKCA
Tilkoblingsklemmer	Power circuit: screw clamp terminals 1 cable(s) 1... 4 mm <sup>2</sup> flexible without cable end Power circuit: screw clamp terminals 2 cable(s) 1... 4 mm <sup>2</sup> flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 1... 4 mm <sup>2</sup> flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 1... 2.5 mm <sup>2</sup> flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 1... 4 mm <sup>2</sup> solid without cable end Power circuit: screw clamp terminals 2 cable(s) 1... 4 mm <sup>2</sup> solid without 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 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> solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1... 4 mm <sup>2</sup> solid without cable end
Tiltrekningsmoment	Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 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
Driftstid	53.55...72.45 ms closing 16...24 ms åpne
Sikkerhet pålitelighet nivå	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
Mekanisk levetid	30 Mcycles
Bruksområde	3600 cyc/h 60 °C

## Komplementær

Spiral teknologi	With integral suppression device
Control circuit voltage limits	0.1...0.25 U <sub>c</sub> (-40...70 °C):drop-out DC 0.7...1.25 U <sub>c</sub> (-40...60 °C):operational DC 1...1.25 U <sub>c</sub> (60...70 °C):operational DC
Tidskonstant	28 ms
Inrush power in W	5.4 W (at 20 °C)
Hold-in strømforbruk i W	5.4 W at 20 °C
Auxiliary contacts type	Type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1 Type mirror contact 1 NC conforming to IEC 60947-4-1
Signale krets frekvens	25...400 Hz
Minimum brytestrøm	5 mA for signalling circuit
Minimum switching voltage	17 V for signalling circuit
Non-overlap time	1.5 Ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact
Isolasjonsmotstand	> 10 MOhm for signalling circuit

## Miljø

IP-grad	IP20 front face conforming to IEC 60529
Protective treatment	TH conforming to IEC 60068-2-30
Forurensninggrad	3
Omgivelsestemperatur for drift	-40...60 °C 60...70 °C with derating
Omgivelsestemperatur for lagring	-60...80 °C
Operating altitude	0...3000 m
Brannmotstand	850 °C i samsvar med IEC 60695-2-1
Flammehemming	V1 conforming to UL 94
Mekanisk robusthet	Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 4 Gn, 5...300 Hz Shocks contactor open: 10 Gn for 11 ms Shocks contactor closed: 15 Gn for 11 ms
Høyde	77 mm
Bredde	45 mm
Dybde	95 mm
Vekt	0,485 kg

## Packing Units

Enhetstype forpakning 1	PCE
Antall enheter forpakning 1	1
Forpakning 1 vekt	522 g
Forpakning 1 høyde	5 cm
Forpakning 1 bredde	9,2 cm
Forpakning 1 lengde	11,2 cm
Enhetstype forpakning 2	S02
Antall enheter forpakning 2	15
Forpakning 2 vekt	8,05 kg
Forpakning 2 høyde	15 cm
Forpakning 2 bredde	30 cm
Forpakning 2 lengde	40 cm
Enhetstype forpakning 3	P06
Antall enheter forpakning 3	120
Forpakning 3 vekt	74,78 kg
Forpakning 3 høyde	45 cm
Forpakning 3 bredde	80 cm
Forpakning 3 lengde	60 cm

## Offer Sustainability

Produktets miljøstatus	Green Premium miljømerket produkt
REACH-regelverk	<a href="#">REACH-erklæring</a>
EU RoHS-direktiv	I samsvar <a href="#">EU RoHS-erklæring</a>
Kvikksølvfri	Ja
Informasjon om RoHS-unntak	<a href="#">Ja</a>
Kinas RoHS-forskrift	<a href="#">Kinas RoHS-Erklæring</a>
Miljøinformasjon	<a href="#">Produktmiljøprofil</a>
Produktets livssyklus	<a href="#">Informasjon Om Levetidsslutt</a>
WEEE	Innen EU må produktet avhendes i henhold til bestemte regler for avfallshåndtering og aldri kastes som husholdningsavfall.
PVC-fri	Ja

## Garantiperiode

Garanti	18 months
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