

H598830

Dreieretningv. 12A 230VAC

Artikkelnummer: LC2D12P7

El-nummer: 4176584

EAN13-nummer: 3389110386134

LC2D: 3-p dreieretningsvendere. Merkestrøm i AC-3: AC-styrerets: 9 til 150A. DC-styrerets: 9 til 32A. Ferdig kablede hovedstrømkretser.

Technical information

Sertifikater og standarder

Standarder	EN 60947-4-1
	EN 60947-5-1
	IEC 60947-4-1
	IEC 60947-5-1
	UL 508
	CSA C22.2 No 14
Produktsertifikater	BV
	CCC
	CSA
	DNV
	GL
	GOST
	RINA
	UL
	LROS

Kompatibilitet

sikringsstørrelse	25 A gG at <= 690 V coordination type 2 for hovedstrøm
	40 A gG at <= 690 V coordination type 1 for hovedstrøm
	10 A gG for signalling circuit conforming to IEC 60947-5-1

Tilkoblinger

tilkoplinger - terminaler	hovedstrøm: skrutilkobling 1 cable(s) 1...4 mm ² - cable stiffness: fleksibel - uten cable end
	hovedstrøm: skrutilkobling 2 cable(s) 1...4 mm ² - cable stiffness: fleksibel - uten cable end
	hovedstrøm: skrutilkobling 1 cable(s) 1...4 mm ² - cable stiffness: fleksibel - med cable end
	hovedstrøm: skrutilkobling 2 cable(s) 1...2.5 mm ² - cable stiffness: fleksibel - med cable end
	hovedstrøm: skrutilkobling 1 cable(s) 1...4 mm ² - cable stiffness: helkjernet - uten cable end
	hovedstrøm: skrutilkobling 2 cable(s) 1...4 mm ² - cable stiffness: helkjernet - uten cable end
	styrerets: skrutilkobling 1 cable(s) 1...4 mm ² - cable stiffness: fleksibel - uten cable end
	styrerets: skrutilkobling 2 cable(s) 1...4 mm ² - cable stiffness: fleksibel - uten cable end
	styrerets: skrutilkobling 1 cable(s) 1...4 mm ² - cable stiffness: fleksibel - med cable end
	styrerets: skrutilkobling 2 cable(s) 1...2.5 mm ² - cable stiffness: fleksibel - med cable end
	styrerets: skrutilkobling 1 cable(s) 1...4 mm ² - cable stiffness: helkjernet - uten cable end
	styrerets: skrutilkobling 2 cable(s) 1...4 mm ² - cable stiffness: helkjernet - uten cable end

Elektrisk

Utnyttelsekategori	AC-1
	AC-3
Antall poler	3P
pole contact composition	3 NO
[Ue] merkespenning	<= 690 V AC 25...400 Hz for hovedstrøm

	<= 300 V DC for power circuit
[Ie] rated operational current	12 A (<= 60 °C) at <= 440 V AC AC-3 for hovedstrøm 25 A (<= 60 °C) at <= 440 V AC AC-1 for hovedstrøm
Motoreffekt kW	3 kW at 220...230 V AC 50/60 Hz 7.5 kW at 500 V AC 50/60 Hz 7.5 kW at 660...690 V AC 50/60 Hz 5.5 kW at 380...400 V AC 50/60 Hz 5.5 kW at 415...440 V AC 50/60 Hz
Motoreffekt hk	1 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 200/208 V AC 50/60 Hz for 3 faser 3 hp 230/240 V AC 50/60 Hz for 3 faser 7.5 hp at 460/480 V AC 50/60 Hz for 3 faser motors 10 hp 575/600 V AC 50/60 Hz for 3 faser
control circuit type	AC 50/60 Hz
Styrespenning	230 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947
overvoltage category	III
[Ith] conventional free air thermal current	25 A at <= 60 °C for hovedstrøm 10 A at <= 60 °C for signalling circuit
Irms rated making capacity	250 A at 440 V for hovedstrøm 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
[Icw] rated short-time withstand current	105 A <= 40 °C 10 s hovedstrøm 210 A <= 40 °C 1 s hovedstrøm 30 A <= 40 °C 10 min hovedstrøm 61 A <= 40 °C 1 min hovedstrøm 100 A 1 s signalling circuit 120 A 500 ms signalling circuit 140 A 100 ms signalling circuit
gjennomsnittlig impedanse	2.5 mOhm at 50 Hz - Ith 25 A for hovedstrøm
[Ui] rated insulation voltage	600 V for hovedstrøm certifications CSA 600 V for hovedstrøm certifications UL 690 V conforming to IEC 60947-4-1 for power circuit 690 V for signalling circuit conforming to IEC 60947-1 600 V for signalling circuit certifications CSA 600 V for signalling circuit certifications UL
power dissipation per pole	AC-3 1.56 W AC-1
coil technology	without built-in suppressor module
control circuit voltage limits	0,3 - 0,6 Uc at 60 °C drop-out 50/60 Hz 0,8 - 1,1 Uc at 60 °C operational 50 Hz 0,85 - 1,1 Uc at 60 °C operational 60 Hz
inrush power in VA	70 VA at 20 °C (cos ϕ 0.75) 60 Hz 70 VA at 20 °C (cos ϕ 0.75) 50 Hz
hold-in power consumption in VA	7.5 VA at 20 °C (cos ϕ 0.3) 60 Hz 7 VA at 20 °C (cos ϕ 0.3) 50 Hz
signalling circuit frequency	25...400 Hz
minimum brytestrøm	5 mA for signalling circuit
minimum switching voltage	17 V for signalling circuit
Isolasjonsmotstand	> 10 MOhm for signalling circuit
Miljø	
Varmeavgivelse	2...3 W at 50/60 Hz
IP-grad	IP2x forside IEC 60529
protective treatment	TH conforming to IEC 60068-2-30
Forurensning type	3
ambient air temperature for operation	-5...60 °C °C
ambient air temperature for storage	-60...80 °C °C
tillatt omgivelsestemperatur rundt utstyret	-40...70 °C at Uc
operating altitude	3000 m uten derating in temperature

fire resistance	850 °C conforming to IEC 60695-2-1
Flamme retardasjon	V1 conforming to UL 94
► Praktisk	
auxiliary contact composition	1 NO + 1 NC
type låsing	mechanical
Bruksområde	3600 cyc/h at <= 60 °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
non-overlap time	1.5 ms on de-energisation (between NC and NO contact)
	1.5 ms on energisation (between NC and NO contact)
► Installasjon	
mounting support	Plate skinne
► Ytelse	
rated breaking capacity	250 A at 440 V for hovedstrøm conforming to IEC 60947
Elektrisk levetid	2 Mcycles 12 A AC-3 at Ue <= 440 V 0.8 Mcycles 25 A AC-1 at Ue <= 440 V
driftstid	4...19 ms opening 12...22 ms closing
safety reliability level	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
mechanical durability	15 Mcycles cycles
► Fysiske mål	
Beskyttelsesdeksel	med
Tiltrekningsmoment	hovedstrøm: 1.7 N.m - on skrutilkobling - with screwdriver flat Ø 6 mm hovedstrøm: 1.7 N.m - on skrutilkobling - with screwdriver Phillips No 2 styrekrets: 1.7 N.m - on skrutilkobling - with screwdriver flat Ø 6 mm styrekrets: 1.7 N.m - on skrutilkobling - with screwdriver Phillips No 2
mechanical robustness	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 mm
Bredde	90 mm mm
Dybde	86 mm mm
Vekt	0.697 kg kg
► Produktmerking	
Produktspekter	TeSys d
Produkt eller komponent type	dreieretningskontaktør
kallenavn på utstyr	LC2D
enhet presentasjon	preassembled with reversing power busbar
► Anvendelse/bruk	
contactor application	motor control omsk last

Supplier information

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