

H598877

Kontaktor 95A 3P 230VAC

Artikkelnummer: LC1D95P7

El-nummer: 4176581

EAN13-nummer: 3389110451733

LC1D: 3-polede kontaktorer med AC-spole til motordrift og ikke-induktive belastninger. Merkestrøm AC-3 drift: 9-150 A. Merkestrøm AC-1: 25-200 A. Effekt: 2,2 - 40 kW (230V AC-3) og 4,0 - 75 kW (400V AC-3). Alle kontaktorene har 1no og 1 nc.

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
BV
CCC
DNV
GL
GOST
RINA
LROS

Produktsertifikater

Kompatibilitet

sikringsstørrelse

160 A gG at ≤ 690 V coordination type 2 for hovedstrøm
200 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

styrekrets: skrutilkobling 1 cable(s) 1...4 mm² - cable stiffness: fleksibel - uten cable end
styrekrets: skrutilkobling 2 cable(s) 1...4 mm² - cable stiffness: fleksibel - uten cable end
styrekrets: skrutilkobling 2 cable(s) 1...2.5 mm² - cable stiffness: fleksibel - med cable end
styrekrets: skrutilkobling 1 cable(s) 1...4 mm² - cable stiffness: helkjernet - uten cable end
styrekrets: skrutilkobling 2 cable(s) 1...4 mm² - cable stiffness: helkjernet - uten cable end
styrekrets: skrutilkobling 1 cable(s) 1...2.5 mm² - cable stiffness: fleksibel - med cable end
hovedstrøm: connector 1 cable(s) 4...50 mm² - cable stiffness: fleksibel - uten cable end
hovedstrøm: connector 2 cable(s) 4...25 mm² - cable stiffness: fleksibel - uten cable end
hovedstrøm: connector 1 cable(s) 4...50 mm² - cable stiffness: fleksibel - med cable end
hovedstrøm: connector 2 cable(s) 4...16 mm² - cable stiffness: fleksibel - med cable end
hovedstrøm: connector 1 cable(s) 4...50 mm² - cable stiffness: helkjernet - uten cable end
hovedstrøm: connector 2 cable(s) 4...25 mm² - cable stiffness: helkjernet - uten cable end

Elektrisk

Utnyttelsekategori

AC-1
AC-3

Antall poler

3P

pole contact composition

3 NO

[Ue] merkespenning

? 1000 V AC for hovedstrøm

[Ie] rated operational current

 ≤ 300 V DC 25...400 Hz for hovedstrøm

125 A (≤ 60 °C) at ≤ 440 V AC AC-1 for hovedstrøm

	95 A ($\leq 60\text{ }^{\circ}\text{C}$) at $\leq 440\text{ V AC AC-3}$ for hovedstrøm
Motoreffekt kW	25 KW at 220...230 V AC 50/60 Hz 45 KW at 1000 V AC 50/60 Hz 45 KW at 380...400 V AC 50/60 Hz 45 KW at 660...690 V AC 50/60 Hz 55 KW at 500 V AC 50/60 Hz 45 KW at 415...440 V AC 50/60 Hz
Motoreffekt hk	20 hp 200/208 V AC 50/60 Hz for 3 faser 7.5 hp at 115 V AC 50/60 Hz for 1 phase motors 15 hp at 230/240 V AC 50/60 Hz for 1 phase motors 25 hp 230/240 V AC 50/60 Hz for 3 faser 60 hp 460/480 V AC 50/60 Hz for 3 faser 60 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	8 kV conforming to IEC 60947
overvoltage category	III
[Ith] conventional free air thermal current	125 A at $\leq 60\text{ }^{\circ}\text{C}$ for hovedstrøm 10 A at $\leq 60\text{ }^{\circ}\text{C}$ for signalling circuit
Irms rated making capacity	1100 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	1100 A $\leq 40\text{ }^{\circ}\text{C}$ 1 s hovedstrøm 135 A $\leq 40\text{ }^{\circ}\text{C}$ 10 min hovedstrøm 400 A $\leq 40\text{ }^{\circ}\text{C}$ 1 min hovedstrøm 800 A $\leq 40\text{ }^{\circ}\text{C}$ 10 s hovedstrøm 100 A 1 s signalling circuit 120 A 500 ms signalling circuit 140 A 100 ms signalling circuit
gjennomsnittlig impedanse	0.80 mOhm at 50 Hz - Ith 125 A for power circuit
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-4-1 for power circuit 600 V for hovedstrøm certifications CSA 600 V for hovedstrøm certifications UL 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 12.5 W AC-1
coil technology	without built-in suppressor module
control circuit voltage limits	0,3 - 0,6 U_c at $55\text{ }^{\circ}\text{C}$ drop-out 50/60 Hz 0,8 - 1,1 U_c at $55\text{ }^{\circ}\text{C}$ operational 50 Hz 0,85 - 1,1 U_c at $55\text{ }^{\circ}\text{C}$ operational 60 Hz
inrush power in VA	245 VA at $20\text{ }^{\circ}\text{C}$ ($\cos\phi$ 0.75) 60 Hz 245 VA at $20\text{ }^{\circ}\text{C}$ ($\cos\phi$ 0.75) 50 Hz
hold-in power consumption in VA	26 VA at $20\text{ }^{\circ}\text{C}$ ($\cos\phi$ 0.3) 60 Hz 26 VA at $20\text{ }^{\circ}\text{C}$ ($\cos\phi$ 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	$> 10\text{ MOhm}$ for signalling circuit
 Miljø	
Varmeavgivelse	6...10 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	$-5\text{...}60\text{ }^{\circ}\text{C}$ $^{\circ}\text{C}$
ambient air temperature for storage	$-60\text{...}80\text{ }^{\circ}\text{C}$ $^{\circ}\text{C}$
tillatt omgivelsestemperatur rundt utstyret	$-40\text{...}70\text{ }^{\circ}\text{C}$ at U_c
operating altitude	3000 m uten derating in temperature
fire resistance	$850\text{ }^{\circ}\text{C}$ conforming to IEC 60695-2-1

Flamme retardasjon	V1 conforming to UL 94
Praktisk	
auxiliary contact composition	1 NO + 1 NC
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	1100 A at 440 V for hovedstrøm conforming to IEC 60947
Elektrisk levetid	1.2 Mcycles 95 A AC-3 at Ue <= 440 V
	1.3 Mcycles 125 A AC-1 at Ue <= 440 V
driftstid	20...35 ms closing
	6...20 ms opening
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	4 Mcycles cycles
Fysiske mål	
Beskyttelsesdeksel	med
Tiltrekkningsmoment	styrekrets: 1.2 N.m - on skrutilkobling - with screwdriver flat Ø 6 mm
	styrekrets: 1.2 N.m - on skrutilkobling - with screwdriver Philips No 2
	hovedstrøm: 9 N.m - on connector - with screwdriver flat Ø 6 to Ø 8 mm
	hovedstrøm: 9 N.m - on connector hexagonal 4 mm
mechanical robustness	vibrations contactor open 2 Gn, 5...300 Hz
	shocks contactor open 8 Gn for 11 ms
	vibrations contactor closed 3 Gn, 5...300 Hz
	shocks contactor closed 10 Gn for 11 ms
Høyde	127 mm mm
Bredde	85 mm mm
Dybde	130 mm mm
Vekt	1.61 kg kg
Produktmerking	
Produktspekter	TeSys d
Produkt eller komponent type	kontaktor
kallenavn på utstyr	LC1D
Anvendelse/bruk	
contactor application	motor control
	omsk last

Supplier information

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