



Easy TeSys contactor 4P CTR 16A AC1(4NO)415V 50Hz WB

LC1E32004N5WBIN

! Discontinued on: 15-Mar-2023

(!) Discontinued

Main

Range	Easy TeSys	
Range Of Product	Easy TeSys Control	
Product Or Component Type	Contactor	
Device Short Name	LC1E	
Contactor Application	Resistive load	
Utilisation Category	AC-1	
Poles Description	4P	
[Ue] Rated Operational Voltage	Power circuit: <= 690 V AC 50/60 Hz	
[le] Rated Operational Current	55 A (at <40 °C) at <= 415 V AC AC-1 for power circuit	
[Uc] Control Circuit Voltage	415 V AC 50 Hz	

Complementary

Pole Contact Composition	4 NO
[Ith] Conventional Free Air Thermal Current	55 A (at 40 °C) for power circuit
Irms Rated Making Capacity	320 A at 440 V AC for power circuit conforming to IEC 60947-4-1
Rated Breaking Capacity	256 A at 440 V for power circuit conforming to IEC 60947
[Icw] Rated Short-Time Withstand Current	260 A 40 °C - 10 s for power circuit 138 A 40 °C - 60 s for power circuit 60 A 40 °C - 600 s for power circuit
Associated Fuse Rating	63 A gG at <= 690 V coordination type 1 for power circuit
Average Impedance	2.5 mOhm - Ith 55 A 50 Hz for power circuit
Power Dissipation Per Pole	5 W AC-1
[Ui] Rated Insulation Voltage	690 V conforming to IEC 60947-4-1
Overvoltage Category	III
Pollution Degree	3
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947
Mechanical Durability	8000000 cycles
Electrical Durability	0.35 Mcycles AC-1
Control Circuit Type	AC at 50 Hz wide range
Control Circuit Voltage Limits	0.30.6 Uc (55 °C):drop-out 50 Hz 0.71.25 Uc (55 °C):operational 50 Hz

95 VA 50 Hz cos phi 0.75 (at 20 °C)	
Va 8.5 VA 50 Hz cos phi 0.3 (at 20 °C)	
23 W for control circuit	
1222 ms on closing	
419 ms on opening	
1800 cyc/h 60 °C	
Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible without cable end	
Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: flexible without cable end	
Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible with cable end	
Control circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: flexible with cable end	
Power circuit: screw clamp terminals 1 110 mm² - cable stiffness: flexible with cable end	
Power circuit: screw clamp terminals 2 16 mm² - cable stiffness: flexible with cable end	
Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: solid	
Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: solid	
Power circuit: screw clamp terminals 1 1.510 mm² - cable stiffness: solid	
Power circuit: screw clamp terminals 2 1.510 mm² - cable stiffness: solid	
Control circuit: 1.2 N.m	
Power circuit: 2.1 N.m	
Without	
Plate	
Fiale	

Environment

Standards	IEC 60947-5-1 IEC 60947-4-1	
Product Certifications	EAC	
Ip Degree Of Protection	IP20 conforming to IEC 60529	
Protective Treatment	TH conforming to IEC 60068	
Permissible Ambient Air Temperature Around The Device	-2070 °C at Uc -6080 °C storage -555 °C operation	
Operating Altitude	3000 m	
Fire Resistance	850 °C conforming to IEC 60695-2-1	
Mechanical Robustness	Vibrations contactor open (1.5 Gn, 5300 Hz) Vibrations contactor closed (3 Gn, 5300 Hz) Shocks contactor closed (10 Gn for 11 ms) Shocks contactor open (6 Gn for 11 ms)	
Height	84 mm	
Width	56 mm	
Depth	93 mm	
Net Weight	0.52 kg	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.3 cm
Package 1 Width	5.6 cm

Package 1 Length	8.4 cm
Package 1 Weight	520 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	22
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	11.44 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	352
Package 3 Height	150 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	183.04 kg



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Transparency RoHS/REACh

Well-being performance

Ø	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information