



Easy TeSys contactor 4P CTR 20A AC1(4NO)220V 50Hz WB

LC1E09004M5WB

- ! Discontinued on: 08-Jun-2021
- ! End-of-service on: 30-Sept-2021

! 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	20 A (at <60 °C) at <= 415 V AC AC-1 for power circuit	
[Uc] Control Circuit Voltage	220 V AC 50 Hz	

Complementary

Pole Contact Composition	4 NO
[Ith] Conventional Free Air Thermal Current	20 A (at 60 °C) for power circuit
Irms Rated Making Capacity	90 A at 440 V AC for power circuit conforming to IEC 60947-4-1
Rated Breaking Capacity	72 A at 440 V for power circuit conforming to IEC 60947
[Icw] Rated Short-Time Withstand Current	105 A 40 °C - 10 s for power circuit 61 A 40 °C - 60 s for power circuit 30 A 40 °C - 600 s for power circuit
Associated Fuse Rating	12 A gG at <= 690 V coordination type 1 for power circuit
Average Impedance	2.5 mOhm - Ith 20 A 50 Hz for power circuit
Power Dissipation Per Pole	1.6 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	10000000 cycles
Electrical Durability	0.15 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

Inrush Power In Va	95 VA 50 Hz cos phi 0.75 (at 20 °C)
Hold-In Power Consumption In Va	8.3 VA 50 Hz cos phi 0.3 (at 20 °C)
Heat Dissipation	23 W for control circuit
Operating Time	1222 ms on closing
	419 ms on opening
Maximum Operating Rate	1800 cyc/h 60 °C
Connections - Terminals	Power circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible with cable end
	Power circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: flexible with cable end
	Control circuit: screw clamp terminals 1 14 mm ² - cable stiffness: flexible without cable end
	Control circuit: screw clamp terminals 2 14 mm ² - 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 mm ² - cable stiffness: flexible with cable end
	Power circuit: screw clamp terminals 1 14 mm² - cable stiffness: solid
	Power circuit: screw clamp terminals 2 14 mm ² - cable stiffness: solid
	Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: solid
	Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: solid
Tightening Torque	Power circuit: 1.2 N.m
	Control circuit: 1.2 N.m
Auxiliary Contact Composition	Without
Mounting Support	DIN rail
	Plate

Standards	IEC 60947-5-1
	IEC 60947-4-1
Product Certifications	CE
	EAC
Ip Degree Of Protection	IP20 conforming to IEC 60529
Protective Treatment	TH conforming to IEC 60068-2-30
Permissible Ambient Air	-2070 °C at Uc
Temperature Around The Device	-6080 °C storage
	-555 °C operation
Operating Altitude	3000 m without derating
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 open (7 Gn for 11 ms)
	Shocks contactor closed (10 Gn for 11 ms)
Height	74 mm
Width	45 mm
Depth	80 mm
Net Weight	0.34 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1



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Transparency RoHS/REACh

Well-being performance

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

Certifications & Standards

Eu Rohs Directive	Compliant
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins