



Easy TeSys contactor 4P CTR 45A AC1(4NO)220V 50Hz WB

LC1E12004M5WBIN

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	32 A (at <40 °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	
Irms Rated Making Capacity	120 A at 440 V AC for power circuit conforming to IEC 60947-4-1	
Rated Breaking Capacity	96 A at 440 V for power circuit conforming to IEC 60947	
[Icw] Rated Short-Time Withstand Current	nd 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	32 A gG at <= 690 V coordination type 1 for power circuit	
Average Impedance	2.5 mOhm - Ith 32 A 50 Hz for power circuit	
Power Dissipation Per Pole	2.6 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	300000 cycles AC-1	
Control Circuit Type	AC at 50 Hz wide range	
Control Circuit Voltage Limits	0.30.6 Uc (-555 °C):drop-out 50 Hz 0.71.25 Uc (-555 °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	8.5 VA 50 Hz cos phi 0.27 (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 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 16 mm² - cable stiffness: solid
	Power circuit: screw clamp terminals 2 14 mm² - cable stiffness: solid
	Control circuit: screw clamp terminals 1 16 mm² - cable stiffness: solid Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: solid
Fightening Torque	Power circuit: 1.2 N.m
ngittening forque	Control circuit: 1.2 N.m
Auxiliary Contact Composition	Without
Mounting Support	DIN rail Plate
Environment	
Standards	IEC 60947-4-1 IEC 60947-5-1
Standards Product Certifications	
	IEC 60947-5-1
Product Certifications	IEC 60947-5-1 EAC
Product Certifications p Degree Of Protection Protective Treatment Permissible Ambient Air	IEC 60947-5-1 EAC IP20 conforming to IEC 60529 TH conforming to IEC 60068 -2070 °C at Uc
Product Certifications p Degree Of Protection Protective Treatment Permissible Ambient Air	IEC 60947-5-1 EAC IP20 conforming to IEC 60529 TH conforming to IEC 60068
Product Certifications p Degree Of Protection Protective Treatment Permissible Ambient Air Temperature Around The Device	IEC 60947-5-1 EAC IP20 conforming to IEC 60529 TH conforming to IEC 60068 -2070 °C at Uc -6080 °C storage
Product Certifications p Degree Of Protection Protective Treatment	IEC 60947-5-1 EAC IP20 conforming to IEC 60529 TH conforming to IEC 60068 -2070 °C at Uc -6080 °C storage -555 °C operation
Product Certifications p Degree Of Protection Protective Treatment Permissible Ambient Air Temperature Around The Device Operating Altitude	IEC 60947-5-1 EAC IP20 conforming to IEC 60529 TH conforming to IEC 60068 -2070 °C at Uc -6080 °C storage -555 °C operation 3000 m
Product Certifications p Degree Of Protection Protective Treatment Permissible Ambient Air Temperature Around The Device Operating Altitude Fire Resistance	IEC 60947-5-1 EAC IP20 conforming to IEC 60529 TH conforming to IEC 60068 -2070 °C at Uc -6080 °C storage -555 °C operation 3000 m 850 °C conforming to IEC 60695-2-1 Vibrations contactor open (1.5 Gn, 5300 Hz) Vibrations contactor closed (3 Gn, 5300 Hz)
Product Certifications p Degree Of Protection Protective Treatment Permissible Ambient Air Temperature Around The Device Operating Altitude Fire Resistance	IEC 60947-5-1 EAC IP20 conforming to IEC 60529 TH conforming to IEC 60068 -2070 °C at Uc -6080 °C storage -555 °C operation 3000 m 850 °C conforming to IEC 60695-2-1 Vibrations contactor open (1.5 Gn, 5300 Hz) Vibrations contactor closed (3 Gn, 5300 Hz) Shocks contactor open (7 Gn for 11 ms)
Product Certifications p Degree Of Protection Protective Treatment Permissible Ambient Air Temperature Around The Device Degree Resistance Mechanical Robustness	IEC 60947-5-1 EAC IP20 conforming to IEC 60529 TH conforming to IEC 60068 -2070 °C at Uc -6080 °C storage -555 °C operation 3000 m 850 °C conforming to IEC 60695-2-1 Vibrations contactor open (1.5 Gn, 5300 Hz) Vibrations contactor closed (3 Gn, 5300 Hz)
Product Certifications p Degree Of Protection Protective Treatment Permissible Ambient Air Temperature Around The Device Operating Altitude Fire Resistance Mechanical Robustness Height	IEC 60947-5-1 EAC IP20 conforming to IEC 60529 TH conforming to IEC 60068 -2070 °C at Uc -6080 °C storage -555 °C operation 3000 m 850 °C conforming to IEC 60695-2-1 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)
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Product Certifications p Degree Of Protection Protective Treatment Permissible Ambient Air Temperature Around The Device Operating Altitude Fire Resistance Mechanical Robustness Height Width Depth	IEC 60947-5-1 EAC IP20 conforming to IEC 60529 TH conforming to IEC 60068 -2070 °C at Uc -6080 °C storage -555 °C operation 3000 m 850 °C conforming to IEC 60695-2-1 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) 74 mm 45 mm
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Product Certifications p Degree Of Protection Protective Treatment Permissible Ambient Air Temperature Around The Device Operating Altitude Fire Resistance Mechanical Robustness Height Width Depth Net Weight	IEC 60947-5-1 EAC IP20 conforming to IEC 60529 TH conforming to IEC 60068 -2070 °C at Uc -6080 °C storage -555 °C operation 3000 m 850 °C conforming to IEC 60695-2-1 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) 74 mm 45 mm

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8 cm
Package 1 Width	4.5 cm
Package 1 Length	7.4 cm
Package 1 Weight	340 g

Unit Type Of Package 2	S02
Number Of Units In Package 2	36
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	12.24 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	576
Package 3 Height	150 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	195.84 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