



Easy TeSys contactor 4P CTR 16A AC1(2NO+2NC)220V 50Hz WB

LC1E32008M5WBIN

! 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	220 V AC 50 Hz	

Complementary

Pole contact composition	2 NO + 2 NC	
[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	

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 0.3 (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	Control circuit: screw clamp terminals 1 14 mm² - 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 mm ² - 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 1 110 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 mm ² - cable stiffness: solid
	Control circuit: screw clamp terminals 2 14 mm ² - 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
Tightening torque	Control circuit: 1.2 N.m
	Power circuit: 2.1 N.m
Auxiliary contact composition	Without
Mounting support	Plate
	DIN rail

Environment

Standards	IEC 60947-4-1 IEC 60947-5-1	
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

⊘	Reach Free Of Svhc	
Ø	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

01-Aug-2024