

LC1DWK12M7

TeSys LC1D.K capacitor duty contactor - 3P - 60
kVAR - 415 V - 220 V AC coil



Main

Range	TeSys
Product name	TeSys LC1D.K
Product or component type	Capacitor duty contactor
Device short name	LC1DWK
Contactor application	Power factor correction
Utilisation category	AC-6B
Poles description	3P
Power pole contact composition	3 NO
Device location in system	Line interruption Inside delta interruption
[Ue] rated operational voltage	≤ 690 V AC 50/60 Hz for power circuit
Reactive power rating	63 kvar at 400...415 V AC 50/60 Hz ≤ 60 °C 35 kvar at 230 V AC 50/60 Hz ≤ 60 °C 67 kvar at 440 V AC 50/60 Hz ≤ 60 °C 104 kvar at 660...690 V AC 50/60 Hz ≤ 60 °C
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	220 V AC 50/60 Hz
Auxiliary contact composition	1 NO + 2 NC for signalling circuit 3 NO early make for power circuit
Electrical durability	300000 cycles at Ue 400 V 200000 cycles at Ue 690 V
Mounting support	DIN rail Plate
Standards	IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product certifications	CCC CSA IEC UL EAC KC
Connections - terminals	Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: flexible - without cable end

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

	Control circuit : screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 1 cable(s) 1...2.5 mm ² - cable stiffness: flexible - with cable end Power circuit : EverLink BTR screw connectors 1 cable(s) 4...50 mm ² - cable stiffness: solid - without cable end Power circuit : EverLink BTR screw connectors 2 cable(s) 4...25 mm ² - cable stiffness: solid - without cable end Power circuit : EverLink BTR screw connectors 1 cable(s) 4...50 mm ² - cable stiffness: flexible - with or without cable end Power circuit : EverLink BTR screw connectors 2 cable(s) 4...25 mm ² - cable stiffness: flexible - without cable end Power circuit : EverLink BTR screw connectors 2 cable(s) 4...16 mm ² - cable stiffness: flexible - with cable end
Tightening torque	Control circuit : 1.7 N.m - on screw clamp terminals Power circuit : 9 N.m - on EverLink BTR screw connectors
Operating rate	100 cyc/h

Complementary

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
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Environment

IP degree of protection	IP2x conforming to IEC 60529 IP2x conforming to VDE 0106
Protective treatment	TH conforming to IEC 60068-2-30
Ambient air temperature for operation	-5...60 °C
Ambient air temperature for storage	-60...80 °C
Operating altitude	3000 m without derating in temperature
Height	180 mm
Width	85 mm
Depth	154 mm
Product weight	1.65 kg

Contractual warranty

Warranty period	18 months
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