



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
Pole contact composition	3 NO
Device location in system	Line interruption Inside delta interruption
System Voltage	<= 690 V AC 50/60 Hz 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	120 V AC 50/60 Hz
Auxiliary contact composition	1 NO + 2 NC signalling circuit 3 NO early make 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) 0...0 in ² (1...2.5 mm ²) - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 1 cable(s) 0...0.01 in ² (1...4 mm ²) - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 2 cable(s) 0...0.01 in ² (1...4 mm ²) - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 1 cable(s) 0...0.01 in ² (1...4 mm ²) - cable stiffness: solid - without cable end Control circuit: screw clamp terminals 2 cable(s) 0...0.01 in ² (1...4 mm ²) - cable stiffness: solid - without cable end Control circuit: screw clamp terminals 1 cable(s) 0...0 in ² (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: 15.04 lbf.in (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	23...140 °F (-5...60 °C)
Ambient air temperature for storage	-76...176 °F (-60...80 °C)
Operating altitude	9842.52 ft (3000 m) without derating in temperature
Height	7.09 in (180 mm)
Width	3.35 in (85 mm)
Depth	6.06 in (154 mm)
Product weight	3.64 lb(US) (1.65 kg)

Ordering and shipping details

Category	22345 - CTR,D-LINE,OPEN,NONREV-NEW
Discount Schedule	I12
GTIN	00785901471592
Nbr. of units in pkg.	1
Package weight(Lbs)	3.8000000000000003
Returnability	Y
Country of origin	CZ

Contractual warranty

Warranty period	18 months
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