



Main

Range	TeSys
Product name	TeSys LC1D.K
Product or component type	Capacitor duty contactor
Device short name	LC1DLK
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	Power circuit: ≤ 690 V AC 50/60 Hz
Reactive power rating	11 kvar at 230 V AC 50/60 Hz 60 °C 20 kvar at 400...415 V AC 50/60 Hz 60 °C 21 kvar at 440 V AC 50/60 Hz 60 °C 33 kvar at 660...690 V AC 50/60 Hz 60 °C
Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	110 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	Plate DIN rail
Standards	IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product certifications	IEC CCC EAC KC UL CSA
Connections - terminals	Control circuit: screw clamp terminals 1 1...4 mm ² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1...4 mm ² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1...4 mm ² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...2.5 mm ² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 2.5...16 mm ² - cable stiffness: solid 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

Power circuit: screw clamp terminals 2 2.5...6 mm² - cable stiffness: solid without cable end
 Power circuit: screw clamp terminals 1 1.5...10 mm² - cable stiffness: flexible without cable end
 Power circuit: screw clamp terminals 2 1.5...6 mm² - cable stiffness: flexible without cable end
 Power circuit: screw clamp terminals 1 1...10 mm² - cable stiffness: flexible with cable end
 Power circuit: screw clamp terminals 2 1...4 mm² - cable stiffness: flexible with cable end
 Control circuit: screw clamp terminals 1 1...4 mm² - cable stiffness: flexible with or without cable end

Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 2.5 N.m - on screw clamp terminals
Maximum operating rate	240 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
Height	125 mm
Width	45 mm
Depth	127 mm
Net weight	0.6 kg

Offer Sustainability

REACH Regulation	REACH Declaration
EU RoHS Directive	Under investigation
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information