



Main

Range	TeSys
Product name	TeSys LC1D.K
Product or component type	Capacitor duty contactor
Device short name	LC1DPK
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
System Voltage	<= 690 V AC 50/60 Hz power circuit
Reactive power rating	30 kvar at 400...415 V AC 50/60 Hz <= 60 °C 50 kvar at 660...690 V AC 50/60 Hz <= 60 °C 17 kvar at 230 V AC 50/60 Hz <= 60 °C 32 kvar at 440 V AC 50/60 Hz <= 60 °C
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	400 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

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

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 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 Power circuit: screw clamp terminals 1 cable(s) 0...0.05 in ² (1...35 mm ²) - cable stiffness: solid - without cable end Power circuit: screw clamp terminals 2 cable(s) 0...0.04 in ² (1...25 mm ²) - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: flexible - with or without cable end Power circuit : screw clamp terminals 1 cable(s) 1...35 mm ² - cable stiffness: flexible - with or without cable end Power circuit : screw clamp terminals 2 cable(s) 1...25 mm ² - cable stiffness: flexible - with or without cable end
Tightening torque	Control circuit: 15.04 lbf.in (1.7 N.m) - on screw clamp terminals Power circuit : 5 N.m - on screw clamp terminals - cable 1...25 mm ² Power circuit : 8 N.m - on screw clamp terminals - cable 35 mm ²
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	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	6.54 in (166 mm)
Width	2.17 in (55 mm)
Depth	6.14 in (156 mm)
Product weight	2.87 lb(US) (1.3 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0950 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available End of Life Information