



Product data sheet

Characteristics

LC1DWK12B7

TeSys LC1D.K capacitor duty contactor - 3P -
60 kVAR - 415 V - 24 V AC coil





Main

Range	TeSys
Product name	TeSys LC1D.K
Product or component type	Capacitor duty contactor
Device short name	LC1D.K
Contact 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	35 Kvar at 230 V AC 50/60 Hz 60 °C 63 Kvar at 400...415 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 at 50/60 Hz
[Uc] control circuit voltage	24 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	CSA C22.2 No 60947-4-1 IEC 60947-4-1 UL 60947-4-1
Product certifications	CCC UL CSA KC EAC IEC
Connections - terminals	Power circuit: EverLink BTR screw connectors 1 4... 50 mm ² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 4... 25 mm ² - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 1 4... 50 mm ² - cable stiffness: flexible with or without cable end Power circuit: EverLink BTR screw connectors 2 4... 25 mm ² - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 2 4... 16 mm ² - cable stiffness: flexible with cable end 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 1 1...4 mm ² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...4 mm ² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...2.5 mm ² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1...2.5 mm ² - cable stiffness: flexible with cable end
Tightening torque	Power circuit: 9 N.m - on EverLink BTR screw connectors Control circuit: 1.7 N.m - on screw clamp terminals
Maximum 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
Height	180 mm
Width	85 mm
Depth	154 mm
Net weight	1.65 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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