Product datasheet Characteristics

LC7K12004M7

TeSys K contactor - 4P (4 NO) - AC-1 <= 440 V 20 A - 220...230 V AC coil





Main

Dance	TaCue	
Range	TeSys	
Product or component type	Contactor	
Product name	TeSys K	
Device short name	LC7K	
Device application	Control	
Contactor application	Resistive load	

Complementary

Utilisation category	AC-1	
Poles description	4P	-termi
Power pole contact composition	4 NO	for de
[Ue] rated operational voltage	Power circuit: 690 V AC 50/60 Hz	- pesi
[le] rated operational current	20 A (at <50 °C) at <= 440 V AC AC-1 for power circuit 16 A (at <70 °C) at 690 V AC AC-1 for power circuit	of to be
Control circuit type	AC at 50/60 Hz silent	- S
[Uc] control circuit voltage	220230 V AC 50/60 Hz	or an
[Uimp] rated impulse withstand voltage	8 kV	tute
Overvoltage category	III	Subst
[lth] conventional free air thermal current	20 A (at 50 °C) for power circuit	ed as a
Irms rated making capacity	144 A AC for power circuit conforming to NF C 63-110 144 A AC for power circuit conforming to IEC 60947	lot intend
Rated breaking capacity	110 A at 440 V conforming to IEC 60947 80 A at 500 V conforming to IEC 60947 70 A at 660690 V conforming to IEC 60947	l nentation is r
[lcw] rated short-time withstand current	115 A 50 °C - 1 s for power circuit 105 A 50 °C - 5 s for power circuit 100 A 50 °C - 10 s for power circuit 75 A 50 °C - 30 s for power circuit 55 A 50 °C - 1 min for power circuit	laimer: This docum

Associated fuse rating 25 A gG at <= 440 V for power circuit 25 A aM for power circuit Average impedance 3 mOhm - Ith 20 A 50 Hz for power circuit [Ui] rated insulation voltage Power circuit: 600 V conforming to UL 508 Power circuit: 600 V conforming to IEC 60947-4-1 Power circuit: 600 V conforming to IEC 60947-4-1 Power circuit: 600 V conforming to CSA C22.2 No 14 Inrush power in VA 3 VA (at 20 °C) Hold-in power consumption in VA 3 VA (at 20 °C) Heat dissipation 3 W Control circuit voltage limits Operational: 0.851.1 Uc (at <50 °C) Drop-out: 0.10.75 Uc (at <50 °C) Connections - terminals Screw clamp terminals 1 cable(s) 0.754 mm²flexible without cable end Screw clamp terminals 1 cable(s) 0.342.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.342.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.754 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible with cable end Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible with cable end Screw clamp termi		
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30 ms coil de-energisation and NO opening		
Safety reliability level B10d = 1369863 cycles contactor with nominal load conforming to FN/ISO 1384		
	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1	
Mechanical durability 10 Mcycles	10 Mcycles	
Electrical durability 0.3 Mcycles 20 A AC-1 at Ue <= 440 V	0.3 Mcycles 20 A AC-1 at Ue <= 440 V	
Mechanical robustness Shocks contactor closed, on X axis: 10 Gn for 11 ms conforming to IEC 60068-2 Shocks contactor closed, on Y axis: 15 Gn for 11 ms conforming to IEC 60068-2 Shocks contactor closed, on Z axis: 15 Gn for 11 ms conforming to IEC 60068-2 Shocks contactor opened, on X axis: 6 Gn for 11 ms conforming to IEC 60068-2 Shocks contactor opened, on Y axis: 10 Gn for 11 ms conforming to IEC 60068-3 Shocks contactor opened, on Z axis: 10 Gn for 11 ms conforming to IEC 60068-3 Vibrations contactor closed: 4 Gn, 5300 Hz conforming to IEC 60068-2-6 Vibrations contactor opened: 2 Gn, 5300 Hz conforming to IEC 60068-2-6	2-27 1-27 -27 2-27	
Depth 57 mm		
Net weight 0.225 kg		
Environment		
Standards BS 5424 IEC 60947 NF C 63-110 VDE 0660		
Product certifications UL CSA		
IP degree of protection IP2x conforming to VDE 0106		
Protective treatment TC conforming to IEC 60068 TC conforming to DIN 50016		
Ambient air temperature for storage -5080 °C		
Operating altitude 2000 m without		
Flame retardance V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102		

Green Premium product

Compliant

Offer Sustainability
Sustainable offer status

EU RoHS Directive

EU RoHS Declaration

Mercury free	Yes	
RoHS exemption information	Yes	
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	End of Life Information	
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