Product data sheet Characteristics

LC1KT20B7S335

TeSys K contactor 4P (4NO) 690V 20A AC-1 coil 24V AC 50/60Hz



M	aı	n

TeSys	
Contactor	
TeSys K	
LC1K	
Control	
Resistive load	
	Contactor TeSys K LC1K Control

Complementary

Complementary		
Utilisation category	AC-1	
Poles description	4P	——————————————————————————————————————
Power pole contact composition	4 NO	— <u>a</u>
[Ue] rated operational voltage	690 V AC 50/60 Hz	
[le] rated operational current	20 A (at <50 °C) at <= 690 V AC-1 for power circuit 16 A (at <70 °C) at <= 690 V AC-1 for power circuit	
Control circuit type	AC at 50/60 Hz	. <u>v.</u>
[Uc] control circuit voltage	24 V AC 50/60 Hz	for and
Auxiliary contact composition	Without	
[Uimp] rated impulse withstand voltage	8 kV	— substitute
Overvoltage category	III	o
[lth] conventional free air thermal current	20 A (at 50 °C)	_ papuatu
Irms rated making capacity	110 A AC conforming to NF C 63-110 110 A AC conforming to IEC 60947	- jou
Rated breaking capacity	110 A at 220230 V conforming to IEC 60947 110 A at 380415 V conforming to IEC 60947 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	This documentation is not intended
[lcw] rated short-time withstand current	90 A 50 °C - 1 s 85 A 50 °C - 5 s	isclaimer:

80 A 50 °C - 10 s 60 A 50 °C - 30 s 45 A 50 °C - 1 min 40 A 50 °C - 3 min 20 A 50 °C - >= 15 min
25 A gG at <= 440 V for power circuit 25 A aM for power circuit
3 mOhm - Ith 20 A 50 Hz for power circuit
Power circuit: 600 V conforming to UL 60947-4-1 Power circuit: 600 V conforming to CSA C22.2 No 60947-4-1 Power circuit: 690 V conforming to IEC 60947-4-1 Power circuit: 690 V conforming to BS 5424 Power circuit: 690 V conforming to NF C 20-040 Power circuit: 750 V conforming to VDE 0110 group C
30 VA (at 20 °C)
4.5 VA (at 20 °C)
1.3 W
Operational: 0.81.15 Uc (at <50 °C) Drop-out: 0.20.75 Uc (at <50 °C)
Screw clamp terminals 1 cable(s) 1.54 mm²solid 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) 1.54 mm²solid Screw clamp terminals 2 cable(s) 0.754 mm²flexible without cable end Screw clamp terminals 2 cable(s) 0.341.5 mm²flexible with cable end
3600 cyc/h
Rail Plate
0.8 N.m - on screw clamp terminals - with screwdriver flat \emptyset 6 mm 0.8 N.m - on screw clamp terminals - with screwdriver Philips No 2
1020 ms coil energisation and NO closing 1020 ms coil de-energisation and NO opening
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
10 Mcycles
0.18 Mcycles 20 A AC-1 at Ue <= 690 V
Shocks contactor closed, on X axis: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor closed, on Y axis: 15 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor closed, on Z axis: 15 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor opened, on X axis: 6 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor opened, on Y axis: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor opened, on Z axis: 10 Gn for 11 ms conforming to IEC 60068-2-27 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
58 mm
45 mm
57 mm
0.235 kg
BS 5424 IEC 60947 NF C 63-110 VDE 0660 EN 60335-1
CSA UL
IP20 conforming to VDE 0106
TC conforming to IEC 60068 TC conforming to DIN 50016
-5080 °C

V1 conforming to UL 94

Flame retardance

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant 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

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