

Product data sheet

Specifications



Mini contactor, TeSys SK, 2P(2NO), AC-3, 690V 6A, 230V AC coil

LC1SK0600P7

Main

Range	TeSys
Product name	TeSys SK
Product or component type	Mini contactor
Device short name	LC1SK
Contactor application	Resistive load Motor control
Utilisation category	AC-1 AC-3
Power pole contact composition	2P
Pole contact composition	2 NO
[Ie] rated operational current	6 A at <= 440 V AC AC-3 12 A (at <55 °C) AC AC-1
[Ue] rated operational voltage	Power circuit: 690 V AC 50/60 Hz

Complementary

Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	230 V AC 50/60 Hz
[Ith] conventional free air thermal current	12 A (at 55 °C) for power circuit
Irms rated making capacity	66 A at 690 V AC conforming to IEC 60947 66 A at 690 V AC conforming to NF C 63-110
Rated breaking capacity	52 A at <= 400 V for power circuit conforming to NF C 63-110 52 A at <= 400 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	50 A 55 °C for power circuit
Associated fuse rating	16 A gl at <= 440 V for power circuit conforming to IEC 60947
Average impedance	4 mOhm - Ith 12 A 50 Hz
[Ui] rated insulation voltage	690 V conforming to IEC 60947 690 V conforming to VDE 0110 group C 690 V conforming to BS 5424 690 V conforming to UL 508 690 V conforming to CSA C22.2 No 14
Mounting support	Rail
Standards	EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1

Product certifications	CB Scheme CE UKCA EAC cULus
Connections - terminals	Power circuit: connector 1 cable(s) 0.35...6 mm ² flexible with cable end Power circuit: connector 1 cable(s) 0.5...6 mm ² flexible without cable end Power circuit: connector 1 cable(s) 1.5...6 mm ² solid Power circuit: connector 2 cable(s) 0.35...1.5 mm ² flexible with cable end Power circuit: connector 2 cable(s) 0.35...2.5 mm ² flexible without cable end Power circuit: connector 2 cable(s) 1.5...4 mm ² solid
Tightening torque	0.8 N.m - on connector - with screwdriver pozidriv No 1
Operating time	6...8 ms coil de-energisation and NO opening 7...14 ms coil energisation and NO closing
Mechanical durability	10 Mcycles
Maximum operating rate	1200 cyc/h
Control circuit voltage limits	Operational: 0.85...1.1 Uc (at <50 °C) Drop-out: 0.2...0.75 Uc (at <50 °C)
Inrush power in VA	16 VA (at 20 °C)
Hold-in power consumption in VA	4.2 VA (at 20 °C)
Heat dissipation	1.4 W at 50/60 Hz

Environment

IP degree of protection	IP2X conforming to VDE 0106
Protective treatment	TC conforming to IEC 60068 TC conforming to DIN 50015
Ambient air temperature for operation	-20...50 °C
Ambient air temperature for storage	-50...70 °C
Operating altitude	2000 m without derating
Height	56 mm
Width	27 mm
Depth	55.5 mm
Product weight	0.132 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.500 cm
Package 1 Width	6.000 cm
Package 1 Length	6.500 cm
Package 1 Weight	126.000 g
Unit Type of Package 2	S01
Number of Units in Package 2	40
Package 2 Height	15.000 cm
Package 2 Width	15.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	5.199 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
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
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Recommended replacement(s)