Product data sheet

Specifications



TeSys SK mini contactor - 2P (2 NO) - AC-3 - 690 V 6 A - 24 V AC coil

LC1SK0600B7

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
[Ue] rated operational voltage	Power circuit: 690 V AC 50/60 Hz
[Ie] rated operational current	6 A at <= 440 V AC AC-3 12 A (at <55 °C) AC AC-1
Motor power kW	1.1 kW at 220...230 V AC 50/60 Hz 2.2 kW at 380...415 V AC 50/60 Hz 2.2 kW at 660...690 V AC 50/60 Hz
Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	24 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 gI 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	VDE 0660 BS 5424 IEC 60947 NF C 63-110

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

Product certifications	cULus
Connections - terminals	Power circuit: connector 1 cable(s) 0.35…6 mm²flexible with cable end Power circuit: connector 1 cable(s) 0.5…6 mm²flexible without cable end Power circuit: connector 1 cable(s) 1.5…6 mm²solid Power circuit: connector 2 cable(s) 0.35…1.5 mm²flexible with cable end Power circuit: connector 2 cable(s) 0.35…2.5 mm²flexible without cable end Power circuit: connector 2 cable(s) 1.5…4 mm²solid
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

Complementary

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
Net weight	0.132 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	117.65 g
Package 1 Height	3.3 cm
Package 1 width	5.9 cm
Package 1 Length	6.7 cm
Unit Type of Package 2	S01
Number of Units in Package 2	40
Package 2 Weight	4.914 kg
Package 2 Height	15 cm
Package 2 width	15 cm
Package 2 Length	40 cm

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 Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
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