

LP1SK0600SD

TeSys SK - mini contactor - 2P (2 NO) - AC-1 -
690 V 12 A - 72 V DC coil



Main

Product or component type	Mini contactor
Device short name	LP1SK
Contactor application	Resistive load
Utilisation category	AC-1
Power pole contact composition	2P
Pole contact composition	2 NO
[Ue] rated operational voltage	690 V AC 50/60 Hz for power circuit
[Ie] rated operational current	12 A (<= 55 °C) AC AC-1
Control circuit type	DC standard
Control circuit voltage	72 V DC
[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 NF C 63-110 66 A at 690 V AC conforming to IEC 60947
Rated breaking capacity	52 A at <= 400 V for power circuit conforming to IEC 60947 52 A at <= 400 V for power circuit conforming to NF C 63-110
[Icw] rated short-time withstand current	50 A <= 55 °C power circuit
Associated fuse rating	16 A gI at <= 440 V for power circuit conforming to IEC 60947
Average impedance	4 mOhm at 50 Hz - Ith 12 A
[Ui] rated insulation voltage	690 V conforming to CSA C22.2 No 14 690 V conforming to UL 508 690 V conforming to BS 5424 690 V conforming to VDE 0110 group C 690 V conforming to IEC 60947
Mounting support	Rail
Standards	BS 5424 IEC 60947 NF C 63-110 VDE 0660
Product certifications	CSA UL
Connections - terminals	Power circuit : connector 2 cable(s) 1.5...4 mm ² - cable stiffness: solid Power circuit : connector 2 cable(s) 0.35...2.5 mm ² - cable stiffness: flexible - without cable end Power circuit : connector 2 cable(s) 0.35...1.5 mm ² - cable stiffness: flexible - with cable end Power circuit : connector 1 cable(s) 1.5...6 mm ² - cable stiffness: solid Power circuit : connector 1 cable(s) 0.5...6 mm ² - cable stiffness: flexible - without cable end Power circuit : connector 1 cable(s) 0.35...6 mm ² - cable stiffness: flexible - with cable end
Tightening torque	0.8 N.m - on connector - with screwdriver pozidriv No 1
Operating time	8...12 ms coil energisation and NO closing 4...6 ms coil de-energisation and NO opening
Mechanical durability	10 Mcycles
Operating rate	1200 cyc/h

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Complementary

Control circuit voltage limits	0.1...0.75 U _c at ≤ 50 °C drop-out 0.85...1.1 U _c at ≤ 50 °C operational
Inrush power in W	2.2 W at 20 °C
Hold-in power consumption in W	2.2 W at 20 °C
Heat dissipation	2.2 W

Environment

IP degree of protection	IP2x conforming to VDE 0106
Protective treatment	TC conforming to DIN 50015 TC conforming to IEC 60068
Ambient air temperature for operation	-20...50 °C
Ambient air temperature for storage	-50...70 °C
Operating altitude	2000 m without derating in temperature
Height	56 mm
Width	27 mm
Depth	55.5 mm
Product weight	0.132 kg