

LP1SK0600BD

TeSys SK - mini contactor - 2P (2 NO) - AC-1 -
690 V 12 A - 24 V DC coil



Main

Commercial Status	Commercialised
Product or component type	Mini contactor
Device short name	LP1SK
Contact 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	24 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

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Mechanical durability	10 Mcycles
Operating rate	1200 cyc/h

Complementary

Control circuit voltage limits	0.1...0.75 Uc at ≤ 50 °C drop-out 0.85...1.1 Uc 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