

# LC1SK0600G7

TeSys SK mini contactor - 2P (2 NO) - AC-3 - 690 V 6 A - 120 V AC coil



Price\* : 22.21 GBP



## Main

|                                             |                                                                                                                          |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Range                                       | TeSys                                                                                                                    |
| Product name                                | TeSys SK                                                                                                                 |
| Product or component type                   | Mini contactor                                                                                                           |
| Device short name                           | LC1SK                                                                                                                    |
| Contactor application                       | Motor control<br>Resistive load                                                                                          |
| Utilisation category                        | AC-1<br>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<br>12 A (at ≤ 55 °C) AC AC-1                                                                      |
| Motor power kW                              | 1.1 kW at 220...230 V AC 50/60 Hz<br>2.2 kW at 380...415 V AC 50/60 Hz<br>2.2 kW at 660...690 V AC 50/60 Hz              |
| Control circuit type                        | AC at 50/60 Hz                                                                                                           |
| [Uc] control circuit voltage                | 120 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<br>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<br>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<br>690 V conforming to VDE 0110 group C<br>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<br>NF C 63-110<br>IEC 60947<br>BS 5424                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product certifications  | CULus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Connections - terminals | Power circuit: connector 1 cable(s) 0.35...6 mm <sup>2</sup> flexible with cable end<br>Power circuit: connector 1 cable(s) 0.5...6 mm <sup>2</sup> flexible without cable end<br>Power circuit: connector 1 cable(s) 1.5...6 mm <sup>2</sup> solid<br>Power circuit: connector 2 cable(s) 0.35...1.5 mm <sup>2</sup> flexible with cable end<br>Power circuit: connector 2 cable(s) 0.35...2.5 mm <sup>2</sup> flexible without cable end<br>Power circuit: connector 2 cable(s) 1.5...4 mm <sup>2</sup> 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<br>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 U <sub>c</sub> (at <50 °C)<br>Drop-out: 0.2...0.75 U <sub>c</sub> (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<br>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                                           |
| Height                                | 56 mm                                                    |
| Width                                 | 27 mm                                                    |
| Depth                                 | 55.5 mm                                                  |
| Product weight                        | 0.132 kg                                                 |

## Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                            |
| Mercury free               | Yes                                                                                                                         |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                               |
| Circularity Profile        | No need of specific recycling operations                                                                                    |
| 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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