

# LC1SKGC200G7

TeSys SK mini contactor - 2P (2 NO) - AC-3 -  
690 V 5 A - 120 V AC coil



## Main

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                       | TeSys                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product name                                | TeSys SK                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product or component type                   | Mini contactor                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Device short name                           | LC1SKGC                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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              | 690 V AC 50/60 Hz for power circuit                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| [Ie] rated operational current              | 20 A (<= 50 °C) AC AC-1<br>5 A at <= 400 V AC AC-3                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Control circuit type                        | AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Control circuit voltage                     | 120 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| [Ith] conventional free air thermal current | 20 A at <= 55 °C for power circuit                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Irms rated making capacity                  | 50 A AC conforming to IEC 60947<br>50 A AC conforming to NF C 63-110                                                                                                                                                                                                                                                                                                                                                                                                    |
| Rated breaking capacity                     | 40 A at <= 400 V conforming to IEC 60947<br>40 A at <= 400 V conforming to NF C 63-110                                                                                                                                                                                                                                                                                                                                                                                  |
| [Icw] rated short-time withstand current    | 40 A <= 55 °C power circuit                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Associated fuse rating                      | 20 A gl at <= 440 V for power circuit                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Average impedance                           | 4 mOhm at 50 Hz - Ith 20 A for power circuit                                                                                                                                                                                                                                                                                                                                                                                                                            |
| [Ui] rated insulation voltage               | 690 V for power circuit conforming to CSA C22.2 No 14<br>690 V for power circuit conforming to VDE 0110 group C<br>690 V for power circuit conforming to UL 508<br>690 V for power circuit conforming to IEC 60947<br>690 V for power circuit conforming to BS 5424                                                                                                                                                                                                     |
| Mounting support                            | Rail                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Standards                                   | BS 5424<br>IEC 60947<br>NF C 63-110<br>VDE 0660                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Product certifications                      | CSA<br>UL                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Connections - terminals                     | Connector 2 cable(s) 0.35...1.5 mm² - cable stiffness: flexible - with cable end<br>Connector 1 cable(s) 0.35...6 mm² - cable stiffness: flexible - with cable end<br>Connector 2 cable(s) 0.35...2.5 mm² - cable stiffness: flexible - without cable end<br>Connector 1 cable(s) 0.5...6 mm² - cable stiffness: flexible - without cable end<br>Connector 2 cable(s) 1.5...4 mm² - cable stiffness: solid<br>Connector 1 cable(s) 1.5...6 mm² - cable stiffness: solid |
| Tightening torque                           | Power circuit : 0.8 N.m - on connector - with screwdriver pozidriv No 1                                                                                                                                                                                                                                                                                                                                                                                                 |

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|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| Operating time        | 7...14 ms coil energisation and NO closing<br>6...8 ms coil de-energisation and NO opening |
| Mechanical durability | 10 Mcycles                                                                                 |
| Operating rate        | 1200 cyc/h                                                                                 |

## Complementary

|                                 |                                                                                             |
|---------------------------------|---------------------------------------------------------------------------------------------|
| Control circuit voltage limits  | 0.2...0.75 Uc at ≤ 55 °C drop-out 50/60 Hz<br>0.85...1.1 Uc at ≤ 55 °C operational 50/60 Hz |
| Inrush power in VA              | 16 VA at 20 °C 50/60 Hz                                                                     |
| Hold-in power consumption in VA | 4.2 VA at 20 °C 50/60 Hz                                                                    |
| Heat dissipation                | 1.4 W at 50/60 Hz                                                                           |

## Environment

|                                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| IP degree of protection               | IP2x conforming to VDE 0106                              |
| Protective treatment                  | TC conforming to DIN 50015<br>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                                                 |