



Price\* : 29.06 GBP



## 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-3<br>AC-1                                                                                                                                            |
| Power pole contact composition              | 3P                                                                                                                                                      |
| Pole contact composition                    | 3 NO                                                                                                                                                    |
| [Ue] rated operational voltage              | Power circuit: 690 V AC 50/60 Hz<br>Signalling circuit: 690 V AC ≤ 400 Hz                                                                               |
| [Ie] rated operational current              | 20 A (at ≤ 50 °C) AC AC-1<br>9 A at ≤ 400 V AC AC-3                                                                                                     |
| Motor power kW                              | 4 kW at 380...415 V AC 50/60 Hz<br>4 kW at 660...690 V AC 50/60 Hz<br>1.1 kW at 220...230 V AC 50/60 Hz                                                 |
| Control circuit type                        | AC at 50/60 Hz                                                                                                                                          |
| [Uc] control circuit voltage                | 380 V AC 50/60 Hz                                                                                                                                       |
| Auxiliary contact composition               | 1 NC                                                                                                                                                    |
| [Ith] conventional free air thermal current | 20 A (at 55 °C) for power circuit<br>10 A (at 55 °C) for signalling circuit                                                                             |
| Irms rated making capacity                  | 85 A AC conforming to NF C 63-110<br>85 A AC conforming to IEC 60947                                                                                    |
| Rated breaking capacity                     | 68 A at ≤ 400 V conforming to NF C 63-110<br>68 A at ≤ 400 V conforming to IEC 60947                                                                    |
| [Icw] rated short-time withstand current    | 60 A 55 °C for power circuit                                                                                                                            |
| Associated fuse rating                      | 20 A gI at ≤ 440 V for power circuit<br>10 A gI for signalling circuit conforming to IEC 60947<br>10 A gI for signalling circuit conforming to VDE 0660 |

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Average impedance             | 4 mOhm - lth 20 A 50 Hz for power circuit                                                                                                                                                                                                                                                                                                                                                                             |
| [Ui] rated insulation voltage | Power circuit: 690 V conforming to BS 5424<br>Power circuit: 690 V conforming to IEC 60947<br>Power circuit: 690 V conforming to UL 508<br>Power circuit: 690 V conforming to VDE 0110 group C<br>Power circuit: 690 V conforming to CSA C22.2 No 14                                                                                                                                                                  |
| Mounting support              | Panel<br>Rail                                                                                                                                                                                                                                                                                                                                                                                                         |
| Standards                     | VDE 0660<br>BS 5424<br>IEC 60947<br>NF C 63-110                                                                                                                                                                                                                                                                                                                                                                       |
| Product certifications        | CULus                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Connections - terminals       | Connector 1 cable(s) 1.5...6 mm <sup>2</sup> solid<br>Connector 2 cable(s) 1.5...4 mm <sup>2</sup> solid<br>Connector 1 cable(s) 0.5...6 mm <sup>2</sup> flexible without cable end<br>Connector 2 cable(s) 0.35...2.5 mm <sup>2</sup> flexible without cable end<br>Connector 1 cable(s) 0.35...6 mm <sup>2</sup> flexible with cable end<br>Connector 2 cable(s) 0.35...1.5 mm <sup>2</sup> flexible with cable end |
| Tightening torque             | Power circuit: 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<br>8...16 ms coil energisation and NC opening<br>8...10 ms coil de-energisation and NC closing                                                                                                                                                                                                                             |
| Mechanical durability         | 10 Mcycles                                                                                                                                                                                                                                                                                                                                                                                                            |
| Maximum operating rate        | 1200 cyc/h                                                                                                                                                                                                                                                                                                                                                                                                            |

## Complementary

|                                 |                                                                                                       |
|---------------------------------|-------------------------------------------------------------------------------------------------------|
| Control circuit voltage limits  | Operational: 0.85...1.1 Uc at 50/60 Hz (at <55 °C)<br>Drop-out: 0.2...0.75 Uc at 50/60 Hz (at <55 °C) |
| Inrush power in VA              | 23 VA 50/60 Hz (at 20 °C)                                                                             |
| Hold-in power consumption in VA | 4.9 VA 50/60 Hz (at 20 °C)                                                                            |
| Heat dissipation                | 1.5 W at 50/60 Hz                                                                                     |
| Signalling circuit frequency    | <= 400 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                                | 58 mm                                                    |
| Width                                 | 45 mm                                                    |
| Depth                                 | 56 mm                                                    |
| Product weight                        | 0.175 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 |
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### Contractual warranty

|          |           |
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| Warranty | 18 months |
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