



### Main

|                                             |                                                                                                                                                                                                                               |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                       | TeSys                                                                                                                                                                                                                         |
| Range of product                            | TeSys K<br>TeSys K control relay                                                                                                                                                                                              |
| Device short name                           | LA1                                                                                                                                                                                                                           |
| Product or component type                   | Auxiliary contact block                                                                                                                                                                                                       |
| Mounting location                           | Front                                                                                                                                                                                                                         |
| Pole contact composition                    | 2 NO + 2 NC                                                                                                                                                                                                                   |
| Contacts operation                          | Instantaneous                                                                                                                                                                                                                 |
| [Ue] rated operational voltage              | $\leq 690$ V AC $\leq 400$ Hz                                                                                                                                                                                                 |
| [Ui] rated insulation voltage               | 690 V - for control circuit conforming to BS 5424<br>690 V - for control circuit conforming to IEC 60947<br>750 V - for control circuit conforming to VDE 0010 group C<br>600 V - for control circuit conforming to CSA C22.2 |
| [Ith] conventional free air thermal current | 10 A (at 50 °C)                                                                                                                                                                                                               |
| Standards                                   | VDE 0660<br>IEC 60947<br>NF C 63-110<br>BS 5424                                                                                                                                                                               |
| Product certifications                      | UL<br>CSA                                                                                                                                                                                                                     |

### Complementary

|                               |                                                                                                   |
|-------------------------------|---------------------------------------------------------------------------------------------------|
| Irms rated making capacity    | 110 A at $\leq 690$ V AC conforming to IEC 60947                                                  |
| Permissible short-time rating | 80 A 1 s<br>60 A 500 ms<br>110 A 100 ms                                                           |
| Associated fuse rating        | 10 A gG at $\leq 690$ V conforming to IEC 60947<br>10 A gG at $\leq 690$ V conforming to VDE 0660 |
| Minimum switching current     | 5 mA                                                                                              |
| Minimum switching voltage     | 17 V                                                                                              |
| Non overlap distance          | 0.5 mm                                                                                            |
| Insulation resistance         | $> 10$ MOhm for control circuit                                                                   |
| Connections - terminals       | Screw clamp terminals 1 cable(s) 0.34...1.5 mm <sup>2</sup> flexible with cable end               |

Screw clamp terminals 1 cable(s) 0.75...4 mm<sup>2</sup>flexible without cable end  
 Screw clamp terminals 1 cable(s) 1.5...4 mm<sup>2</sup>solid  
 Screw clamp terminals 2 cable(s) 0.34...1.5 mm<sup>2</sup>flexible with cable end  
 Screw clamp terminals 2 cable(s) 0.75...4 mm<sup>2</sup>flexible without cable end  
 Screw clamp terminals 2 cable(s) 1.5...4 mm<sup>2</sup>solid

|                   |                                                                    |
|-------------------|--------------------------------------------------------------------|
| Tightening torque | 1.3 N.m - on screw clamp terminals - with screwdriver Philips No 2 |
| Depth             | 35 mm                                                              |
| Net weight        | 0.045 kg                                                           |

## Environment

|                                       |                             |
|---------------------------------------|-----------------------------|
| Environmental characteristic          | Normal environment          |
| IP degree of protection               | IP2x conforming to VDE 0106 |
| Protective treatment                  | TC conforming to IEC 60068  |
| Ambient air temperature for storage   | -50...80 °C                 |
| Ambient air temperature for operation | -25...50 °C                 |
| Operating altitude                    | 2000 m without derating     |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.040 kg |
|------------------|----------|

## Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                           |
| REACH free of SVHC         | Yes                                                                                                                         |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                            |
| Toxic heavy metal free     | Yes                                                                                                                         |
| Mercury free               | Yes                                                                                                                         |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)                 |
| 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 |
|----------|-----------|