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## Contact Block: BTL5K

### General Data

|                               |                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Type reference:               | BTL5K                                                                                                           |
| Description:                  | Illuminated contact block with screw connections                                                                |
| Approvals:                    | cCSAus, ENEC10, VDE, CE                                                                                         |
| Nature of contact:            | 1NC/1NO                                                                                                         |
| Protection class:             | II (protective insulation)                                                                                      |
| Operation travel:             | 3 mm                                                                                                            |
| Connection type:              | screw connection M2.5                                                                                           |
| Contact material:             | AgNi                                                                                                            |
| Max. storage temperature:     | -50°C ... 85°C                                                                                                  |
| Max. operating temperature:   | -30°C ... 70°C, without illumination<br>-30°C ... 55°C, using incandescent lamps<br>-30°C ... 65°C, using LED's |
| Mechanical life:              | 1m operations                                                                                                   |
| Electrical life (rated load): | 1m operations                                                                                                   |
| Contact resistance NO:        | < 20 mOhm (new state)                                                                                           |
| Contact resistance NC:        | < 20 mOhm (new state)                                                                                           |
| Min. current:                 | 1 mA (under laboratory conditions)                                                                              |
| Min. voltage:                 | 5 V                                                                                                             |
| Bouncing time NO:             | < 10ms                                                                                                          |
| Bouncing time NC:             | < 20ms                                                                                                          |

### Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

|                               |                   |                         |
|-------------------------------|-------------------|-------------------------|
|                               | alternate current | direct current          |
| Utilisation category:         | AC15 B300         | DC                      |
| Rated insulation voltage Ui:  | 250 V             | 300 V                   |
| Rated operational voltage Ue: | 250 V             | 250V / 125V / 60V / 24V |
| Rated operational current Ie: | 1.5A              | 0.2A / 0.4A / 1A / 2A   |
| Breaking capacity:            | 10Ie              | 1.1Ie                   |
| Continuous thermal current:   | 6A                | 6 A                     |

### Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)

|                   |        |
|-------------------|--------|
| Rated voltage Ue: | 250 V~ |
| Rated current Ie: | 6(4) A |

### Technical Data - Lamp

|                    |                          |
|--------------------|--------------------------|
| Lamp socket:       | T5,5K                    |
| Max. lamp voltage: | 60V                      |
| Max. lamp output:  | 1.2W                     |
| Definition:        | X1...anode, X2...cathode |

- subject to alterations -