

## PRODUCT-DETAILS

# TAL26-22-00 17-32V DC

## TAL26-22-00 17-32V DC Contactor



### General Information

|                       |                                 |
|-----------------------|---------------------------------|
| Extended Product Type | TAL26-22-00 17-32V DC           |
| Product ID            | 1SBL243561R5100                 |
| EAN                   | 3471522322517                   |
| Catalog Description   | TAL26-22-00 17-32V DC Contactor |

#### Long Description

TAL26 4-pole contactors are mainly used for controlling non-inductive or slightly inductive loads (i.e. resistance furnaces...) and generally for controlling power circuits up to 690 V AC and 440 V DC. The contactors can also be used for many other applications such lighting... The TAL... series 4-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 2 N.O. + 2 N.C. main poles, front and side-mounted add-on auxiliary contact blocks - Control circuit: DC operated with solid core magnet circuit. The polarity on the coil terminals (A1+ and A2-) must be respected - Accessories: a wide range of accessories is available. TAL... contactors are fitted with low consumption DC coils and offer a large coil voltage range.

### Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85364900 |

### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SNC001003C0202 |
| Instructions and Manuals          | 1SBC101007M5501 |
| Dimension Diagram                 | FPTE307866      |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 54 mm    |
| Product Net Depth / Length | 110.6 mm |
| Product Net Height         | 90 mm    |
| Product Net Weight         | 0.75 kg  |

## Technical

|                                                              |                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of Main Contacts NO                                   | 2                                                                                                                                                                                                                                                                       |
| Number of Main Contacts NC                                   | 2                                                                                                                                                                                                                                                                       |
| Number of Auxiliary Contacts NO                              | 0                                                                                                                                                                                                                                                                       |
| Number of Auxiliary Contacts NC                              | 0                                                                                                                                                                                                                                                                       |
| Rated Operational Voltage                                    | Main Circuit 690 V                                                                                                                                                                                                                                                      |
| Conventional Free-air Thermal Current ( $I_{th}$ )           | acc. to IEC 60947-4-1, Open Contactors $q = 40\text{ °C}$ 45 A                                                                                                                                                                                                          |
| Rated Operational Current AC-1 ( $I_e$ )                     | (690 V) $40\text{ °C}$ 45<br>(690 V) $55\text{ °C}$ 40<br>(690 V) $70\text{ °C}$ 32                                                                                                                                                                                     |
| Short-Circuit Protective Devices                             | gG Type Fuses 50 A                                                                                                                                                                                                                                                      |
| Maximum Electrical Switching Frequency                       | (AC-1) 600 cycles per hour                                                                                                                                                                                                                                              |
| Rated Insulation Voltage ( $U_i$ )                           | acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V<br>acc. to UL/CSA 600 V                                                                                                                                                                                               |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )                | 8 kV                                                                                                                                                                                                                                                                    |
| Mechanical Durability                                        | 10 million                                                                                                                                                                                                                                                              |
| Maximum Mechanical Switching Frequency                       | 3600 cycles per hour                                                                                                                                                                                                                                                    |
| Rated Control Circuit Voltage ( $U_c$ )                      | DC Operation 17 ... 32 V                                                                                                                                                                                                                                                |
| Coil Consumption                                             | Holding DC ( $U_{min} / U_{max}$ ) 2.7 / 9 W<br>Pull-in DC ( $U_{min} / U_{max}$ ) 2.7 / 9 W                                                                                                                                                                            |
| Operate Time                                                 | Between Coil De-energization and NC Contact Closing 18 ... 28 ms<br>Between Coil De-energization and NO Contact Opening 12 ... 18 ms<br>Between Coil Energization and NC Contact Opening 25 ... 75 ms<br>Between Coil Energization and NO Contact Closing 55 ... 110 ms |
| Connecting Capacity Main Circuit                             | Flexible with Cable End 0.75 ... 4 mm <sup>2</sup><br>Rigid Cable 1.5 ... 6 mm <sup>2</sup>                                                                                                                                                                             |
| Connecting Capacity Auxiliary Circuit                        | Flexible with Cable End 0.75 ... 2.5 mm <sup>2</sup><br>Rigid Cable 1 ... 4 mm <sup>2</sup>                                                                                                                                                                             |
| Degree of Protection                                         | acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20                                                                                                                                                                                                            |
| Connecting Terminals (delivered in open position) Main Poles | M 4 (+,-) pozidriv 2 screw with cable clamp                                                                                                                                                                                                                             |
| Terminal Type                                                | Screw Terminals                                                                                                                                                                                                                                                         |

## Environmental

|                         |                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient Air Temperature | Close to Contactor for Storage $-60\text{ ... }+80\text{ °C}$<br>Near Contactor for Operation in Free Air $-40\text{ ... }+55\text{ °C}$ |
| Climatic Withstand      | acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II                                                                    |
| Maximum Operating       | 3000 m                                                                                                                                   |

## Altitude Permissible

Resistance to Shock acc.  
to IEC 60068-2-27

Closed, Shock Direction: A 20 K40  
 Closed, Shock Direction: B1 15 K40  
 Closed, Shock Direction: C1 20 K40  
 Closed, Shock Direction: C2 14 K40  
 Open, Shock Direction: A 10 K40  
 Open, Shock Direction: B1 5 K40  
 Open, Shock Direction: C1 8 K40  
 Open, Shock Direction: C2 8 K40  
 Shock Direction: B2 10 K40

RoHS Status

Following EU Directive 2011/65/EU

## Certificates and Declarations (Document Number)

|                                    |                         |
|------------------------------------|-------------------------|
| CCC Certificate                    | CCC_2004010304112231    |
| CQC Certificate                    | CQC2004010304112231     |
| Declaration of<br>Conformity - CCC | 2020980304001611        |
| Declaration of<br>Conformity - CE  | 1SBD250804U1000         |
| EAC Certificate                    | EAC_RU C-FR ME77 B01010 |
| Environmental<br>Information       | 1SBD250122E1002         |
| GOST Certificate                   | GOST_POCCFRME77B07175   |
| Instructions and<br>Manuals        | 1SBC101007M5501         |
| RoHS Information                   | 1SBD250804U1000         |

## Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | 1 piece       |
| Package Level 1 Width             | 100 mm        |
| Package Level 1 Depth /<br>Length | 134 mm        |
| Package Level 1 Height            | 62 mm         |
| Package Level 1 Gross<br>Weight   | 0.75 kg       |
| Package Level 1 EAN               | 3471522322517 |
| Package Level 2 Units             | box 20 piece  |
| Package Level 2 Width             | 300 mm        |
| Package Level 2 Depth /<br>Length | 245 mm        |
| Package Level 2 Height            | 308 mm        |
| Package Level 2 Gross<br>Weight   | 15 kg         |
| Package Level 3 Units             | 384 piece     |

## Classifications

|                               |                                           |
|-------------------------------|-------------------------------------------|
| Object Classification<br>Code | Q                                         |
| ETIM 4                        | EC000066 - Magnet contactor, AC-switching |
| ETIM 5                        | EC000066 - Magnet contactor, AC-switching |
| ETIM 6                        | EC000066 - Power contactor, AC switching  |
| ETIM 7                        | EC000066 - Power contactor, AC switching  |
| eClass                        | V11.0 : 27371018                          |
| UNSPSC                        | 39121529                                  |

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## Categories

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Low Voltage Products and Systems → Control Products → Contactors → Block Contactors

