

PRODUCT-DETAILS

TAL26-40-00 17-32V DC

TAL26-40-00 17-32V DC Contactor



General Information

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| Extended Product Type | TAL26-40-00 17-32V DC |
| Product ID | 1SBL243261R5100 |
| EAN | 3471522321510 |
| Catalog Description | TAL26-40-00 17-32V DC Contactor |

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| Long Description | <p>The TAL26-40-00 17-32V DC is a contactor 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.</p> <ul style="list-style-type: none"> - Main poles and auxiliary contact blocks: 4 N.O. 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. |
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Ordering

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

Popular Downloads

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|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SNC001003C0202 |
| Instructions and Manuals | 1SBC101007M5501 |
| CAD Dimensional Drawing | 2CDC001079B0201 |
| Dimension Diagram | FPTE307866 |

Dimensions

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

Technical

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| Number of Main Contacts NO | 4 |
| Number of Main Contacts NC | 0 |
| Number of Auxiliary Contacts NO | 0 |
| Number of Auxiliary Contacts NC | 0 |
| Rated Operational Voltage | Main Circuit 690 V |
| Rated Frequency (f) | Main Circuit 50 / 60 Hz |
| Conventional Free-air Thermal Current (I_{th}) | acc. to IEC 60947-4-1, Open Contactors $\Theta = 40\text{ °C}$ 45 A |
| Rated Operational Current AC-1 (I_e) | (690 V) 40 °C 45 A (690 V) 55 °C 40 A (690 V) 70 °C 32 A |
| Rated Operational Current AC-3 (I_e) | (415 V) 55 °C 26 A (440 V) 55 °C 26 A (500 V) 55 °C 22 A (690 V) 55 °C 13 A (380 / 400 V) 55 °C 26 A (220 / 230 / 240 V) 55 °C 26 |
| Rated Operational Power AC-3 (P_e) | (415 V) 11 kW (440 V) 15 kW (500 V) 15 kW (690 V) 11 kW (380 / 400 V) 11 kW (220 / 230 / 240 V) 6.5 kW |
| Rated Breaking Capacity AC-3 | 8 x I_e AC-3 |
| Rated Making Capacity AC-3 | 10 x I_e AC-3 |
| Short-Circuit Protective Devices | gG Type Fuses 50 A |
| Rated Short-time | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 210 A |

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| Withstand Current Low Voltage (I_{cW}) | at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 45 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 90 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 400 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 110 A |
| Maximum Breaking Capacity | cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 420 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 106 A |
| Maximum Electrical Switching Frequency | (AC-1) 600 cycles per hour (AC-2 / AC-4) 300 cycles per hour (AC-3) 1200 cycles per hour |
| Rated Insulation Voltage (U_i) | acc. to IEC 60947-4-1 1000 V acc. to UL/CSA 600 V |
| Rated Impulse Withstand Voltage (U_{imp}) | 8 kV |
| 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 Pull-in DC (U_{min} / U_{max}) 2.7 / 9 W |
| Operate Time | Between Coil De-energization and NO Contact Opening 12 ... 18 ms Between Coil Energization and NO Contact Closing 55 ... 110 ms |
| Mounting on DIN Rail | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 |
| Mounting by Screws (not supplied) | 2 x M4 screws placed diagonally |
| Connecting Capacity Main Circuit | Flexible with Cable End 0.75 ... 4 mm ² Rigid Cable 1.5 ... 6 mm ² |
| Connecting Capacity Auxiliary Circuit | Flexible with Cable End 0.75 ... 2.5 mm ² Rigid Cable 1 ... 4 mm ² |
| Degree of Protection | acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 |
| Connecting Terminals (delivered in open position) Main Poles | M 4 (+,-) pozidriv 2 screw with cable clamp |
| Terminal Type | Screw Terminals |

Technical UL/CSA

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| General Use Rating UL/CSA | (600 V AC) 40 A |
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Environmental

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| Ambient Air Temperature | Close to Contactor without Thermal O/L Relay (U_{cmin} - U_{cmax}) according to IEC 60077 -40 ... +70 °C Close to Contactor for Storage -60 ... +80 °C Near Contactor for Operation in Free Air -40 ... 55 °C |
| Climatic Withstand | acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II |
| Maximum Operating Altitude Permissible | Without Derating 3000 m |
| REACH Declaration | 2CMT2021-006202 |
| Resistance to Shock acc. to IEC 60068-2-27 | Closed, Shock Direction: A 20 g Closed, Shock Direction: B1 15 g |

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

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| RoHS Information | 2CMT2021-006277 |
| RoHS Status | Following EU Directive 2011/65/EU |

Certificates and Declarations

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| CCC Certificate | CCC_2004010304112231 |
| CQC Certificate | CQC2004010304112231 |
| CSA Certificate | CSA_1033838_LR056745 |
| Declaration of Conformity - CCC | 2020980304001611 |
| Declaration of Conformity - CE | 1SBD250804U1000 |
| Declaration of Conformity - UKCA | 1SBD250821U1000 |
| EAC Certificate | EAC_RU C-FR ME77 B01010 |
| GOST Certificate | GOST_POCCFRME77B07175 |
| UL Certificate | UL-US-L312527-1103-61017991-2 |

Container Information

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| Package Level 1 Units | 1 piece |
| Package Level 1 Width | 100 mm |
| Package Level 1 Depth / Length | 134 mm |
| Package Level 1 Height | 62 mm |
| Package Level 1 Gross Weight | 0.75 kg |
| Package Level 1 EAN | 3471522321510 |
| Package Level 2 Units | box 20 piece |
| Package Level 2 Width | 300 mm |
| Package Level 2 Depth / Length | 245 mm |
| Package Level 2 Height | 308 mm |
| Package Level 2 Gross Weight | 15 kg |
| Package Level 3 Units | 384 piece |

Classifications

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| Object Classification Code | Q |
| ETIM 4 | EC000066 - Magnet contactor, AC-switching |
| ETIM 5 | EC000066 - Magnet contactor, AC-switching |

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| ETIM 6 | EC000066 - Power contactor, AC switching |
| ETIM 7 | EC000066 - Power contactor, AC switching |
| ETIM 8 | EC000066 - Power contactor, AC switching |
| eClass | V11.0 : 27371003 |
| UNSPSC | 39121529 |

