



 PRODUCT-DETAILS

TAL26-40-00 17-32V DC

TAL26-40-00 17-32V DC Contactor



General Information

Extended Product Type	TAL26-40-00 17-32V DC
Product ID	1SBL243261R5100
EAN	3471522321510
Catalog Description	TAL26-40-00 17-32V DC Contactor
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. - 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.</p>

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SBC100122C0202_CH02
Instructions and Manuals	1SBC101007M5501
CAD Dimensional Drawing	2CDC001079B0201
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	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 A
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 Withstand Current Low Voltage (I _{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 210 A 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 Main Terminals IP20 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

Technical UL/CSA

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

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
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

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
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REACH Declaration	2CMT2021-006202
RoHS Information	2CMT2021-006277
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

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

Package Level 1 Units	box 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

Object Classification Code	Q
ETIM 7	EC000066 - Power contactor, AC switching
ETIM 8	EC000066 - Power contactor, AC switching
ETIM 9	EC000066 - Power contactor, AC switching
eClass	V11.0 : 27371003
UNSPSC	39121529

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → TAL and TAE Contactors → TAL26

