



PRODUCT-DETAILS

# TAE45-40-00RT 17-32V DC

## TAE45-40-00RT 17-32V DC Contactor



General Information	
Extended Product Type	TAE45-40-00RT 17-32V DC
Product ID	1SBL339260R5100
EAN	3471522244918
Catalog Description	TAE45-40-00RT 17-32V DC Contactor
Long Description	<p>TAE45 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 TAE..RT contactors are the Ring Tongue terminal version of the TAE... range. The TAE... 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 standard double-winding DC coils (with add-on factory-mounted lagging contact for insertion of the"holding" winding). TAE... contactors offer a large coil voltage range - Accessories: a wide range of accessories is available.</p>

Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SNC001003C0202
Instructions and Manuals	FPTC407767P0002

Dimensions

Product Net Width	104 mm
Product Net Depth / Length	119.5 mm
Product Net Height	110 mm
Product Net Weight	1.43 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
Number of Poles	4P
Rated Operational Voltage	Main Circuit 1000 V
Rated Frequency (f)	Main Circuit 50 / 60 Hz
Conventional Free-air Thermal Current ( $I_{th}$ )	acc. to IEC 60947-4-1, Open Contactors $\Theta = 40\text{ °C}$ 100 A
Rated Operational Current AC-1 ( $I_e$ )	(690 V) 40 °C 70 A (690 V) 55 °C 60 A (690 V) 70 °C 50 A
Rated Operational Current AC-3 ( $I_e$ )	(415 V) 55 °C 37 A (440 V) 55 °C 37 A (500 V) 55 °C 33 A (690 V) 55 °C 25 A (380 / 400 V) 55 °C 37 A (220 / 230 / 240 V) 55 °C 40
Rated Operational Power AC-3 ( $P_e$ )	(415 V) 25 kW (440 V) 25 kW (500 V) 30 kW (690 V) 30 kW (380 / 400 V) 22 kW (220 / 230 / 240 V) 15 kW
Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ )	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 650 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 110 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 250 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 370 A
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
Rated Control Circuit Voltage ( $U_c$ )	DC Operation 17 ... 32 V
Coil Consumption	Holding DC ( $U_{min}$ / $U_{max}$ ) 1.7 / 6.5 W Pull-in at Max. Rated Control Circuit Voltage DC 450 W

	Pull-in DC (Umin / Umax) 120 / 250 W
Power Loss	at Rated Operating Conditions AC-1 per Pole 2.5 W at Rated Operating Conditions AC-3 per Pole 0.65 W
Mounting on DIN Rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH75-25 (75 x 25 mm Mounting Rail) acc. to IEC 60715
Mounting by Screws (not supplied)	2 x M6 screws placed diagonally
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP10 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10
Terminal Type	Ring-Tongue Terminals
Product Name	Block Contactor

## Technical UL/CSA

General Use Rating UL/CSA	(600 V AC) 80 A
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## Environmental

Ambient Air Temperature	Close to Contactor without Thermal O/L Relay (Ucmin-Ucmax) 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
Maximum Operating Altitude Permissible	Without Derating 3000 m
Resistance to Shock acc. to IEC 60068-2-27	Closed, Shock Direction: B1 10 g Open, Shock Direction: B1 5 g Shock Direction: A 20 g Shock Direction: B2 15 g Shock Direction: C1 20 g Shock Direction: C2 20 g

## Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
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

Declaration of Conformity - CE	1SBD250806U1000
Declaration of Conformity - UKCA	1SBD250823U1000
EAC Certificate	EAC_RU C-FR ME77 B01010
GOST Certificate	GOST_POCCFRME77B07175

## Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	142 mm

Package Level 1 Depth / Length	190 mm
Package Level 1 Height	136 mm
Package Level 1 Gross Weight	1.43 kg
Package Level 1 EAN	3471522244918
Package Level 2 Units	box 8 piece
Package Level 2 Width	503 mm
Package Level 2 Depth / Length	153 mm
Package Level 2 Height	307 mm
Package Level 2 Gross Weight	11.44 kg
Package Level 3 Units	84 piece

External Classifications and Standards

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 → TAE45

