

PRODUCT-DETAILS

# TAE75-30-00RT 25-45V DC

## TAE75-30-00RT 25-45V DC Contactor



### General Information

Extended Product Type	TAE75-30-00RT 25-45V DC
Product ID	1SBL419060R5200
EAN	3471522244826
Catalog Description	TAE75-30-00RT 25-45V DC Contactor

#### Long Description

TAE75 contactors are mainly used for controlling 3-phase motors and generally for controlling power circuits up to 690 V AC / 1000 V AC or 220 V DC. The contactors can also be used for many other applications such as isolation, capacitor switching, lighting. The TAE..RT contactors are the Ring Tongue terminal version of the TAE... range. The TAE... series 1-stack 3-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 3 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.

### 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	82 mm
Product Net Depth / Length	108 mm
Product Net Height	110 mm
Product Net Weight	1.2 kg

## Technical

Number of Main Contacts NO	3
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	0
Number of Auxiliary Contacts NC	0
Rated Operational Voltage	Main Circuit 1000 V
Conventional Free-air Thermal Current ( $I_{th}$ )	acc. to IEC 60947-4-1, Open Contactors $q = 40^\circ\text{C}$ 125 A
Rated Operational Current AC-1 ( $I_e$ )	(690 V) $40^\circ\text{C}$ 125 (690 V) $55^\circ\text{C}$ 105
Rated Operational Current AC-3 ( $I_e$ )	(415 V) $55^\circ\text{C}$ 72 A (440 V) $55^\circ\text{C}$ 70 A (500 V) $55^\circ\text{C}$ 65 A (690 V) $55^\circ\text{C}$ 46 A (1000 V) $55^\circ\text{C}$ 28 A (380 / 400 V) $55^\circ\text{C}$ 75 A (220 / 230 / 240 V) $55^\circ\text{C}$ 75
Rated Operational Power AC-3 ( $P_e$ )	(415 V) 40 kW (440 V) 40 kW (500 V) 45 kW (690 V) 40 kW (380 / 400 V) 37 kW (220 / 230 / 240 V) 22 kW
Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1	8 x $I_e$ AC-3
Rated Making Capacity AC-3 acc. to IEC 60947-4-1	10 x $I_e$ AC-3
Short-Circuit Protective Devices	gG Type Fuses 160 A
Maximum Breaking Capacity	$\cos \phi = 0.45$ ( $\cos \phi = 0.35$ for $I_e > 100$ A) at 440 V 1300 A $\cos \phi = 0.45$ ( $\cos \phi = 0.35$ for $I_e > 100$ A) at 690 V 630 A
Maximum Electrical Switching Frequency	(AC-1) 300 cycles per hour (AC-2 / AC-4) 150 cycles per hour (AC-3) 300 cycles per hour
Rated Insulation Voltage ( $U_i$ )	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	8 kV
Mechanical Durability	5 million
Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage ( $U_c$ )	DC Operation 25 ... 45 V
Coil Consumption	Holding DC ( $U_{min} / U_{max}$ ) 1.7 / 6.5 W Pull-in DC ( $U_{min} / U_{max}$ ) 120 / 250 W
Operate Time	Between Coil De-energization and NC Contact Closing 8 ... 18 ms Between Coil De-energization and NO Contact Opening 5 ... 15 ms

Between Coil Energization and NC Contact Opening 10 ... 27 ms  
Between Coil Energization and NO Contact Closing 30 ... 30 ms

Connecting Capacity Auxiliary Circuit	Solid 1 ... 4 mm <sup>2</sup>
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP40
Terminal Type	Ring-Tongue Terminals

## Environmental

Ambient Air Temperature	Close to Contactor Fitted with Thermal O/L Relay -25 ... +55 °C Close to Contactor without Thermal O/L Relay -40 ... +55 °C Close to Contactor for Storage -60 ... +80 °C
Climatic Withstand	acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II
Resistance to Shock acc. to IEC 60068-2-27	Closed, Shock Direction: B1 10 K40 Open, Shock Direction: B1 5 K40 Shock Direction: A 20 K40 Shock Direction: B2 15 K40 Shock Direction: C1 20 K40 Shock Direction: C2 20 K40
RoHS Status	Following EU Directive 2011/65/EU

## Certificates and Declarations (Document Number)

CB Certificate	CB_FR_701506-A1
CQC Certificate	CQC2018010304129269
Declaration of Conformity - CCC	2020980304001621
Declaration of Conformity - CE	1SBD250806U1000
Environmental Information	1SBD250025E1003
GOST Certificate	GOST_POCCFRME77B07175
Instructions and Manuals	FPTC407767P0002
RoHS Information	1SBD250806U1000

## Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	140 mm
Package Level 1 Depth / Length	146 mm
Package Level 1 Height	96 mm
Package Level 1 Gross Weight	1.2 kg
Package Level 1 EAN	3471522244826
Package Level 2 Units	box 20 piece
Package Level 2 Gross Weight	24 kg

## Classifications

Object Classification 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

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## Categories

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

