

PRODUCT-DETAILS

TAE50-30-00RT 77-143V DC

TAE50-30-00RT 77-143V DC Contactor



General Information

Extended Product Type	TAE50-30-00RT 77-143V DC
Product ID	1SBL359060R6200
EAN	3471522244765
Catalog Description	TAE50-30-00RT 77-143V DC Contactor

Long Description

TAE50 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.

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
UNSPSC	39121529

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	3471522244765
Package Level 2 Units	box 20 piece
Package Level 2 Gross Weight	24 kg

Certificates and Declarations (Document Number)

CB Certificate	CB_FR_701506-A1
Declaration of Conformity - CE	1SBD250806U1000
EAC Certificate	EAC_RU C-FR ME77 B01010
Environmental Information	1SBD250024E1003
GOST Certificate	GOST_POCCFRME77B0175
Instructions and Manuals	FPTC407767P0002
RoHS Information	1SBD250806U1000

Environmental

Ambient Air Temperature	Close to Contactor for Storage -60 ... +80 °C Close to Contactor without Thermal O/L Relay -40 ... +55 °C Close to Contactor Fitted with Thermal O/L Relay -25 ... +55 °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	Shock Direction: A 20 K40 Shock Direction: B2 15 K40 Shock Direction: C1 20 K40 Shock Direction: C2 20 K40 Closed, Shock Direction: B1 10 K40 Open, Shock Direction: B1 5 K40
RoHS Status	Following EU Directive 2011/65/EU

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 °C 100 A
Rated Operational Current AC-1 (I _e)	(690 V) 40 °C 100 A (690 V) 55 °C 85 A
Rated Operational Current AC-3 (I _e)	(1000 V) 55 °C 23 A (220 / 230 / 240 V) 55 °C 53 A (380 / 400 V) 55 °C 50 A (415 V) 55 °C 50 A (440 V) 55 °C 45 A

	(500 V) 55 °C 45 A (690 V) 55 °C 35 A
Rated Operational Power AC-3 (P _e)	(220 / 230 / 240 V) 15 KWT (380 / 400 V) 22 KWT (415 V) 25 KWT (440 V) 25 KWT (500 V) 30 KWT (690 V) 30 KWT
Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1	8 x Ie AC-3
Rated Making Capacity AC-3 acc. to IEC 60947-4-1	10 x Ie AC-3
Short-Circuit Protective Devices	gG Type Fuses 100 A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 440 V 1300 A cos phi=0.45 (cos phi=0.35 for Ie > 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 UL/CSA 600 V acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 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 77 ... 143 V
Coil Consumption	Pull-in at Max. Rated Control Circuit Voltage DC 450 W 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 m ²
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
Terminal Type	Ring-Tongue Terminals

Dimensions

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

Popular Downloads

Data Sheet, Technical Information	1SNC001003C0202
Instructions and Manuals	FPTC407767P0002

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Categories

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

