

PRODUCT-DETAILS

TAL26-30-10RT 17-32V DC

TAL26-30-10RT 17-32V DC Contactor



General Information

Extended Product Type	TAL26-30-10RT 17-32V DC
Product ID	1SBL243060R5110
EAN	3471522363114
Catalog Description	TAL26-30-10RT 17-32V DC Contactor

Long Description

TAL26 contactors are mainly used for controlling 3-phase motors and generally for controlling power circuits up to 690 V AC or 220 V DC. The contactors can also be used for many other applications such as isolation, capacitor switching, lighting. The TAL..RT contactors are the Ring Tongue terminal version of the TAL... range. The TAL... series 1-stack 3-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 3 main poles, 1 built-in auxiliary contact, 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.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SNC001003C0202
Instructions and Manuals	1SBC101006M5501

Dimension Diagram

FPTE307905

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	3
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	1
Number of Auxiliary Contacts NC	0
Rated Operational Voltage	Auxiliary Circuit 690 V Main Circuit 690 V
Rated Frequency (f)	Supply Circuit 50 60 Hz
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-4-1, Open Contactors $q = 40^\circ\text{C}$ 45 A acc. to IEC 60947-5-1, $q = 40^\circ\text{C}$ 16 A
Rated Operational Current AC-1 (I_e)	(690 V) 40°C 45 (690 V) 55°C 40 (690 V) 70°C 32
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 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
Rated Operational Current AC-15 (I_e)	(500 V) 2 A (690 V) 2 A (24 / 127 V) 6 A (220 / 240 V) 4 A (380 / 400 V) 3 A
Short-Circuit Protective Devices	Auxiliary Circuit - gG Type Fuses 10 A gG Type Fuses 50 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 Operational Current DC-13 (I_e)	(24 V) 6 A / 144 W (48 V) 2.8 A / 134 W (72 V) 2 / 144 A (125 V) 1.1 / 138 A (250 V) 0.55 / 138 A
Rated Insulation Voltage (U_i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V acc. to UL/CSA 600 V

Rated Impulse Withstand Voltage (U _{imp})	6 kV
Mechanical Durability	10 million
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
Connecting Capacity Main Circuit	Flexible with Cable Lug 1 ... 6 mm ² Rigid Cable 1 ... 6 mm ²
Connecting Capacity Auxiliary Circuit	Rigid or Flexible with Cable Lug 0.75 ... 2.5 mm ²
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP40
Connecting Terminals (delivered in open position) Main Poles	M 4 (+,-) pozidriv 2 screw with conic washer
Terminal Type	Ring-Tongue Terminals

Environmental

Ambient Air Temperature	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
Maximum Operating Altitude Permissible	3000 m
Resistance to Shock acc. to IEC 60068-2-27	Closed, Shock Direction: A 20 K40 Closed, Shock Direction: B1 15 K40 Closed, Shock Direction: C1 20 K40 Closed, Shock Direction: C2 14 K40 Open, Shock Direction: A 10 K40 Open, Shock Direction: B1 5 K40 Open, Shock Direction: C1 8 K40 Open, Shock Direction: C2 8 K40 Shock Direction: B2 10 K40
RoHS Status	Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

CB Certificate	CB_FR3460_60022335_515371G
CCC Certificate	CCC_2004010304112231
CQC Certificate	CQC2004010304112231
CSA Certificate	CSA_1033838_LR056745
Declaration of Conformity - CCC	2020980304001611
Declaration of Conformity - CE	1SBD250806U1000
EAC Certificate	EAC_RU C-FR ME77 B01010
Environmental Information	1SBD250122E1002
GOST Certificate	GOST_POCCFRME77B07175
Instructions and Manuals	1SBC101006M5501
RoHS Information	1SBD250806U1000

Container Information

Package Level 1 Units	1 piece
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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	3471522363114
Package Level 2 Units	box 20 piece
Package Level 2 Gross Weight	15 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
UNSPSC	39121529

Categories

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

