PRODUCT-DETAILS

TAL26-30-01RT 17-32V DC

TAL26-30-01RT 17-32V DC Contactor

General Information

Extended Product Type	TAL26-30-01RT 17-32V DC
Product ID	1SBL243060R5101
EAN	3471522363213
Catalog Description	TAL26-30-01RT 17-32V DC Contactor
Long Description	The TAL26-30-01RT 17-32V DC is a contactor 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
CAD Dimensional Drawing	2CDC001079B0201
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	0
Number of Auxiliary Contacts NC	1
Number of Poles	3P
Rated Operational Voltage	Auxiliary Circuit 690 V Main Circuit 690 V
Rated Frequency (f)	Auxiliary Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-4-1, Open Contactors Θ = 40 °C 45 A acc. to IEC 60947-5-1, Θ = 40 °C 16 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 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
Rated Operational Current DC-13 (I_e)	(24 V) 6 A / 144 W (48 V) 2.8 A / 134 W (72 V) 2 / 144 W (110 V) 1.1 A / 121 W (125 V) 1.1 / 138 W (220 V) 0.55 A / 121 W (250 V) 0.55 / 138 W
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 Ie AC-3
Rated Making Capacity AC-3	10 x Ie AC-3
Short-Circuit Protective Devices	Auxiliary Circuit - gG Type Fuses 10 A 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 for 0.1 s 140 A for 1 s 100 A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 440 V 420 A cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 690 V 106 A
Rated Insulation Voltage (U_i)	acc. to IEC 60947-4-1 690 V acc. to IEC 60947-5-1 690 V acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage (U_{imp})	6 kV
Maximum Electrical Switching Frequency	(AC-1) 600 cycles per hour (AC-2 / AC-4) 300 cycles per hour (AC-3) 1200 cycles per hour
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 (Umin / Umax) 2.7 / 9 W Pull-in DC (Umin / Umax) 2.7 / 9 W
Power Loss	at Rated Operating Conditions per Pole 0.1 W at 6 A per Pole 0.1 W at Rated Operating Conditions AC-1 per Pole 1.8 W at Rated Operating Conditions AC-3 per Pole 0.6 W
Operate Time	Between Coil De-energization and NC Contact Closing 18 ... 28 ms Between Coil De-energization and NO Contact Opening 12 ... 18 ms Between Coil Energization and NC Contact Opening 25 ... 75 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 Lug 1 ... 6 mm² Rigid Cable 1 ... 6 mm²
Connecting Capacity Auxiliary Circuit	Rigid or Flexible with Cable Lug 0.75 ... 2.5 mm²
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP10 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP10 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10
Connecting Terminals (delivered in open position) Main Poles	M 4 (+,-) pozidriv 2 screw with conic washer
Terminal Type	Ring-Tongue Terminals
Product Name	Block Contactor

Technical UL/CSA

General Use Rating UL/CSA	(600 V AC) 40 A
Horsepower Rating	(200 ... 208 V AC) Three Phase 7-1/2 hp

UL/CSA	(220 ... 240 V AC) Three Phase 10 hp (440 ... 480 V AC) Three Phase 20 hp (550 ... 600 V AC) Three Phase 25 hp

Environmental

Ambient Air Temperature	Close to Contactor without Thermal O/L Relay -40 ... 55 °C 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
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
Pollution Degree	3

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

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	1SBD250804U1000
Declaration of Conformity - UKCA	1SBD250821U1000
EAC Certificate	EAC_RU C-FR ME77 B01010
GOST Certificate	GOST_POCCFRME77B07175

Container Information

Package Level 1 Units	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	3471522363213
Package Level 2 Units	box 20 piece
Package Level 2 Gross Weight	15 kg

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
IDEA Granular Category Code (IGCC)	4756 >> Capacitor magnet contactor

Categories

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