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 PRODUCT-DETAILS

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

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




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**General Information**

<b>Extended Product Type:</b>	TAL26-30-01RT 17-32V DC
<b>Product ID:</b>	1SBL243060R5101
<b>EAN:</b>	3471522363213
<b>Catalog Description:</b>	TAL26-30-01RT 17-32V DC Contactor
<b>Long Description:</b>	<p>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.</p>
<b>Display Name:</b>	TAL26-30-01RT 17-32V DC

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**Ordering**

<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85364900

## Popular Downloads

Data Sheet, Technical Information:	1SNC001003C0202
Instructions and Manuals:	1SBC101006M5501
CAD Dimensional Drawing:	2CDC001079B0201

## Dimensions

Product Net Width:	54 mm
Product Net Depth / Length:	110.6 mm
Product Net Height:	90 mm
Product Net Weight:	0.75 kg
Dimension Diagram:	FPT307905

## 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 $\Theta = 40\text{ }^{\circ}\text{C}$ 45 A acc. to IEC 60947-5-1, $\Theta = 40\text{ }^{\circ}\text{C}$ 16 A
Rated Operational Current AC-1 ( $I_e$ ):	(690 V) 40 $^{\circ}\text{C}$ 45 A (690 V) 55 $^{\circ}\text{C}$ 40 A (690 V) 70 $^{\circ}\text{C}$ 32 A
Rated Operational Current AC-3 ( $I_e$ ):	(415 V) 55 $^{\circ}\text{C}$ 26 A (440 V) 55 $^{\circ}\text{C}$ 26 A (500 V) 55 $^{\circ}\text{C}$ 22 A (690 V) 55 $^{\circ}\text{C}$ 13 A (380 / 400 V) 55 $^{\circ}\text{C}$ 26 A (220 / 230 / 240 V) 55 $^{\circ}\text{C}$ 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

<b>Rated Operational Power AC-3 (<math>P_e</math>):</b>	(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
<b>Rated Breaking Capacity AC-3:</b>	8 x $I_e$ AC-3
<b>Rated Making Capacity AC-3:</b>	10 x $I_e$ AC-3
<b>Short-Circuit Protective Devices:</b>	Auxiliary Circuit - gG Type Fuses 10 A gG Type Fuses 50 A
<b>Rated Short-time Withstand Current Low Voltage (<math>I_{cw}</math>):</b>	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
<b>Maximum Breaking Capacity:</b>	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
<b>Rated Insulation Voltage (<math>U_i</math>):</b>	acc. to IEC 60947-4-1 690 V acc. to IEC 60947-5-1 690 V acc. to UL/CSA 600 V
<b>Rated Impulse Withstand Voltage (<math>U_{imp}</math>):</b>	6 kV
<b>Maximum Electrical Switching Frequency:</b>	(AC-1) 600 cycles per hour (AC-2 / AC-4) 300 cycles per hour (AC-3) 1200 cycles per hour
<b>Mechanical Durability:</b>	10 million
<b>Maximum Mechanical Switching Frequency:</b>	3600 cycles per hour
<b>Rated Control Circuit Voltage (<math>U_c</math>):</b>	DC Operation 17 ... 32 V
<b>Coil Consumption:</b>	Holding DC ( $U_{min}$ / $U_{max}$ ) 9 W Holding DC ( $U_{min}$ / $U_{max}$ ) 2.7 / 9 W Pull-in DC ( $U_{min}$ / $U_{max}$ ) 2.7 / 9 W
<b>Power Loss:</b>	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
<b>Operate Time:</b>	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
<b>Mounting on DIN Rail:</b>	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
<b>Mounting by Screws (not supplied) :</b>	2 x M4 Screws Placed Diagonally
<b>Connecting Capacity Main Circuit:</b>	Flexible with Cable Lug 1 ... 6 mm <sup>2</sup> Rigid Cable 1 ... 6 mm <sup>2</sup>
<b>Connecting Capacity Auxiliary Circuit:</b>	Rigid or Flexible with Cable Lug 0.75 ... 2.5 mm <sup>2</sup>
<b>Degree of Protection:</b>	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
<b>Connecting Terminals (delivered in open position) Main Poles:</b>	M 4 (+,-) pozidriv 2 screw with conic washer
<b>Terminal Type:</b>	Ring-Tongue Terminals
<b>Product Name:</b>	Block Contactor

## Technical UL/CSA

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

<b>Ambient Air Temperature:</b>	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
<b>Climatic Withstand:</b>	according to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 Specification II
<b>Maximum Operating Altitude Permissible:</b>	Without Derating 3000 m
<b>Resistance to Shock acc. to IEC 60068-2-27:</b>	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
<b>Pollution Degree:</b>	3

## Material Compliance

<b>Conflict Minerals Reporting Template (CMRT):</b>	9AKK108467A5658
<b>REACH Declaration:</b>	2CMT2021-006202
<b>RoHS Declaration:</b>	2CMT2021-006277
<b>RoHS Information:</b>	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
<b>Toxic Substances Control Act - TSCA:</b>	2CMT2023-006525
<b>WEEE B2C / B2B:</b>	Business To Business
<b>WEEE Category:</b>	5. Small Equipment (No External Dimension More Than 50 cm)

## ABB EcoSolutions

**Environmental Product Declaration - EPD:** No declaration needed

## Certificates and Declarations

<b>CB Certificate:</b>	CB_FR3460_60022335_515371G
<b>CCC Certificate:</b>	CCC_2004010304112231

<b>CQC Certificate:</b>	CQC2004010304112231
<b>CSA Certificate:</b>	CSA_1033838_LR056745
<b>Declaration of Conformity - CCC:</b>	2020980304001611
<b>Declaration of Conformity - CE:</b>	1SBD250804U1000
<b>Declaration of Conformity - UKCA:</b>	1SBD250821U1000

## Container Information

<b>Package Level 1 Units:</b>	1 piece
<b>Package Level 1 Width:</b>	100 mm
<b>Package Level 1 Depth / Length:</b>	134 mm
<b>Package Level 1 Height:</b>	62 mm
<b>Package Level 1 Gross Weight:</b>	0.75 kg
<b>Package Level 1 EAN:</b>	3471522363213

## External Classifications and Standards

<b>Object Classification Code:</b>	Q
<b>ETIM 7:</b>	EC000066 - Power contactor, AC switching
<b>ETIM 8:</b>	EC000066 - Power contactor, AC switching
<b>ETIM 9:</b>	EC000066 - Power contactor, AC switching
<b>eClass:</b>	V11.0 : 27371003
<b>UNSPSC:</b>	39121529
<b>IDEA Granular Category Code (IGCC):</b>	4756 >> Capacitor magnet contactor

## Accessories

Identifier	Description	Type	Qty	Unit Of Measure
1SBN010013R1010	CB5-10 Impulse Contact Block	CB5-10	1	piece
1SBN010013R1001	CB5-01 Impulse Contact Block	CB5-01	1	piece

## Categories

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

