

PRODUCT-DETAILS

A30-30-10 690V60HZ

A30-30-10 690V60HZ Contactor



General Information

Extended Product Type	A30-30-10 690V60HZ
Product ID	1SBL281001R5910
EAN	3471522071590
Catalog Description	A30-30-10 690V60HZ Contactor

Long Description

A30 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 A... 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: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Instructions and Manuals	FPTC407722P0001
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Dimensions

Product Net Width	54 mm
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Product Net Depth / Length	108.3 mm
Product Net Height	90 mm
Product Net Weight	0.71 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)	Auxiliary Circuit 50 / 60 Hz Control Circuit 50 / 60 Hz
Rated Operational Current AC-1 (I_e)	(690 V) 40 °C 55 A (690 V) 55 °C 55 A (690 V) 70 °C 39 A
Rated Operational Current AC-3 (I_e)	(415 V) 55 °C 32 A (440 V) 55 °C 32 A (500 V) 55 °C 28 A (690 V) 55 °C 21 A (380 / 400 V) 55 °C 32 A (220 / 230 / 240 V) 55 °C 33
Rated Operational Power AC-3 (P_e)	(415 V) 15 kW (440 V) 18.5 kW (500 V) 18.5 kW (690 V) 18.5 kW (380 / 400 V) 15 kW (220 / 230 / 240 V) 9 kW
Rated Operational Power AC-6b (P_e)	(230 / 240 V) 40 °C, 50 / 60 Hz 13 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 13 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 11 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 22 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 18.5 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 22 kvar (440 V) 40 °C, 50 / 60 Hz 24 kvar (440 V) 55 °C, 50 / 60 Hz 24 kvar (440 V) 70 °C, 50 / 60 Hz 20.5 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 28 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 28 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 23 kvar (690 V) 40 °C, 50 / 60 Hz 38 kvar (690 V) 55 °C, 50 / 60 Hz 38 kvar (690 V) 70 °C, 50 / 60 Hz 32 kvar
Rated Short-time Withstand Current Low Voltage (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 400 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 65 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 150 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 600 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 225 A for 0.1 s 140 A for 1 s 100 A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 820 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 340 A
Rated Insulation Voltage (U_i)	acc. to IEC 60947-4-1 1000 V acc. to IEC 60947-5-1 690 V acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Control Circuit Voltage (U_c)	60 Hz 690 V
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
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20
Terminal Type	Screw Terminals

Technical UL/CSA

General Use Rating UL/CSA	(600 V AC) 50 A
Horsepower Rating UL/CSA	(200 ... 208 V AC) Three Phase 10 hp (220 ... 240 V AC) Three Phase 10 hp (440 ... 480 V AC) Three Phase 25 hp (550 ... 600 V AC) Three Phase 30 hp

Environmental

Ambient Air Temperature	Close to Contactor Fitted with Thermal O/L Relay -25 ... 55 °C Close to Contactor for Storage -60 ... +80 °C
Maximum Operating Altitude Permissible	Without Derating 3000 m
RoHS Status	Following EU Directive 2011/65/EU

Certificates and Declarations

CB Certificate	CB_FR_602227A
CCC Certificate	CCC_2013010304615752
CQC Certificate	CQC2013010304615752 CQC2004010309133982
Declaration of Conformity - CCC	2020980304001609 2020980304001227
Declaration of Conformity - CE	1SBD250801U1000
Declaration of Conformity - UKCA	1SBD250818U1000
EAC Certificate	EAC_RU C-FR ME77 B03599
RINA Certificate	RINA_ELE172319XG001
UL Certificate	UL-US-L312527-4104-71017991-2 UL-CA-L312527-4104-71017991-2

Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	101 mm
Package Level 1 Depth / Length	115 mm
Package Level 1 Height	61 mm
Package Level 1 Gross Weight	0.71 kg
Package Level 1 EAN	3471522071590
Package Level 2 Units	box 63 piece
Package Level 2 Width	300 mm
Package Level 2 Depth / Length	245 mm
Package Level 2 Height	308 mm
Package Level 2 Gross Weight	44.73 kg
Package Level 3 Units	576 piece

Classifications

Object Classification Code	Q
ETIM 6	EC000066 - Power contactor, AC switching
ETIM 7	EC000066 - Power contactor, AC switching
ETIM 8	EC000066 - Power contactor, AC switching
eClass	V11.0 : 27371003

UNSPSC

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Categories

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

