

# A75-30-00 400-415V 50Hz / 415-440V 60Hz

A75-30-00 400-415V 50Hz / 415-440V 60Hz Contactor



## General Information

Extended Product Type	A75-30-00 400-415V 50Hz / 415-440V 60Hz
Product ID	1SBL411001R8600
EAN	3471522092861
Catalog Description	A75-30-00 400-415V 50Hz / 415-440V 60Hz Contactor
Long Description	A75 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 A... 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: 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

Data Sheet, Technical Information	1SBC100122C0202_Ch02
Instructions and Manuals	FPTC407700P0003

## Dimensions

Product Net Width	70 mm
Product Net Depth / Length	108 mm
Product Net Height	110 mm
Product Net Weight	1.16 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	0
Standards	Devices complying with international standards IEC 947-1 / 947-4-1, and European standards EN 60 947-1 / 60 947-4-1. Electromagnetic compatibility (EMC) acc. to amendment A11 to IEC 947-1; EN 60 947-1 and amendment 2 to IEC 947-4-1
Rated Operational Voltage	Main Circuit 1000 V

Conventional Free-air Thermal Current ( $I_{th}$ )	acc. to IEC 60947-4-1, Open Contactors $q = 40\text{ }^{\circ}\text{C}$ 125 A
Rated Operational Current AC-1 ( $I_e$ )	(690 V) $40\text{ }^{\circ}\text{C}$ 125 A (690 V) $55\text{ }^{\circ}\text{C}$ 105 A (690 V) $70\text{ }^{\circ}\text{C}$ 85 A
Rated Operational Current AC-3 ( $I_e$ )	(1000 V) $55\text{ }^{\circ}\text{C}$ 28 A (220 / 230 / 240 V) $55\text{ }^{\circ}\text{C}$ 75 A (380 / 400 V) $55\text{ }^{\circ}\text{C}$ 75 A (415 V) $55\text{ }^{\circ}\text{C}$ 72 A (440 V) $55\text{ }^{\circ}\text{C}$ 70 A (500 V) $55\text{ }^{\circ}\text{C}$ 65 A (690 V) $55\text{ }^{\circ}\text{C}$ 46 A
Rated Operational Power AC-3 ( $P_e$ )	(220 / 230 / 240 V) 22 kW (380 / 400 V) 37 kW (415 V) 40 kW (440 V) 40 kW (500 V) 45 kW (690 V) 40 kW
Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1	$8 \times I_e$ AC-3
Rated Making Capacity AC-3 acc. to IEC 60947-4-1	$10 \times I_e$ AC-3
Short-Circuit Protective Devices	gG Type Fuses 160 A
Maximum Breaking Capacity	$\cos \phi = 0.45$ ( $\cos \phi = 0.35$ for $I_e > 100$ A) at 440 V 1300 A $\cos \phi = 0.45$ ( $\cos \phi = 0.35$ for $I_e > 100$ A) at 690 V 630 A
Maximum Electrical Switching Frequency	AC-1 600 cycles per hour AC-2 / AC-4 150 cycles per hour AC-3 600 cycles per hour
Rated Insulation Voltage ( $U_i$ )	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	8 kV
Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage ( $U_c$ )	50 Hz 400 ... 415 V 60 Hz 415 ... 440 V
Coil Consumption	Average Holding Value 50 / 60 Hz 18 V·A Average Holding Value 50 / 60 Hz 5.5 W Average Pull-in Value 50 Hz 190 V·A Average Pull-in Value 60 Hz 180 V·A
Operate Time	Between Coil Energization and NO Contact Closing 8 ... 27 ms Between Coil De-energization and NO Contact Opening 4 ... 11 ms
Connecting Capacity Main Circuit	Flexible with Cable End 6 ... 16 mm <sup>2</sup> Rigid Cable 6 ... 25 mm <sup>2</sup>
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 ... 2.5 mm <sup>2</sup> Rigid Cable 1 ... 4 mm <sup>2</sup>
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
Connecting terminals (delivered in open position) Main poles	M 6 (+,-) pozidriv 2 screws with 1x (13 x 10 mm) connector
Terminal Type	Screw Terminals

## Environmental

Ambient Air Temperature	Close to Contactor Fitted with Thermal O/L Relay $-25\text{ }^{\circ}\text{C}$ ... $+55\text{ }^{\circ}\text{C}$ Close to Contactor for Storage $-60\text{ }^{\circ}\text{C}$ ... $+80\text{ }^{\circ}\text{C}$ Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 $U_c$ ) $-40\text{ }^{\circ}\text{C}$ ... $+55\text{ }^{\circ}\text{C}$ Close to Contactor without Thermal O/L Relay ( $U_c$ ) $-40\text{ }^{\circ}\text{C}$ ... $+70\text{ }^{\circ}\text{C}$
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	Shock Direction: A 20 g Closed, Shock Direction: B1 10 g Open, Shock Direction: B1 5 g Shock Direction: B2 15 g Shock Direction: C1 20 g Shock Direction: C2 20 g

RoHS Status

Following EU Directive 2002/95/EC August 18, 2005 and amendment

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## Certificates and Declarations (Document Number)

BV Certificate	BV_2634H07559D0
CB Certificate	CB_FR_602227A
CCC Certificate	CCC_2006010304213057 CCC_2008010309289461
CSA Certificate	CSA_1033838_LR056745
Declaration of Conformity - CE	1SBD250801U1000
DNV Certificate	DNV-GL_TAE00000TX
DNV GL Certificate	DNV-GL_TAE00000TX
EAC Certificate	EAC_RU C-FR ME77 B01010
Environmental Information	1SBD250010E1003
GOST Certificate	GOST_POCCFRME77B07175
Instructions and Manuals	FPTC407700P0003
LR Certificate	LRS_9830011E4
RINA Certificate	RINA_ELE128713XG001
RMRS Certificate	RMRS_0507015250
RoHS Information	1SBD350054R1000
UL Certificate	UL_20120830-E312527-10-1
UL Listing Card	UL_E312527

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## 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	1.16 kg
Package Level 1 EAN	3471522092861
Package Level 2 Units	20 piece
Package Level 2 Gross Weight	23.2 kg
Package Level 3 Units	160 piece

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## Classifications

Object Classification Code	Q
E-nummer	3227827
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

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## Categories

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

