



Automatización Eléctrica Especialistas en Automatización

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AF75-40-00 100-250V 50Hz / 100-250V 60Hz / 100-250V DC



General Information

Extended Product Type:	AF75-40-00 100-250V 50Hz / 100-250V 60Hz / 100-250V DC			
Product ID:	1SBL417201R7000			
EAN:	3471522115300			
Catalog Description:	AF75-40-00 100-250V 50Hz / 100-250V 60Hz / 100-250V DC Contactor			
Long Description:	AF75 4-pole contactors are mainly used for controlling non-inductive or slightly inductive loads (i.e. resistance furnaces) and generally for controlling power circuits up to 690 V AC and 440 V DC. The contactors can also be used for many other applications such lighting The AF contactors are fitted with an electronic coil interface which accepts a wide control voltage range, on AC 50/60 Hz or DC supplies. The same contactor can accept various supply voltages according to the different countries where the electrical equipment will be installed, or some fluctuation in the control voltage due to the local supply or network. The AF contactors are also fully suitable for operation in AC or DC control circuit liable to voltage interruptions or voltage dip risks. Advantages: - Wide voltage range, e.g. 100 250 V AC and DC - Can manage large voltage variations - Reduced power consumption - Very distinct closing and opening - Noise free - Can withstand voltage interruptions or voltage dips in the control supply (\leq 20 ms). The AF series 4-pole contactors are of the block type design Main poles and auxiliary contact blocks: 4 N.O. main poles, front and side-mounted add-on auxiliary contact blocks - Control circuit: AC or DC operated - Accessories: a wide range of accessories is available.			

<u>Categories</u>

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

Ordering

Customs Tariff Number: 85369085 Dimensions 92 mm Product Net Width: 92 mm Product Net Depth: 119.5 mm Product Net Depth: 119.5 mm Product Net Height: 110 mm Product Net Weight: 1.420 kg Container Information 1 Package Level 1 Units: 1 piece Package Level 1 Width: 142 mm Package Level 1 Width: 142 mm Package Level 1 Height: 136 mm Package Level 1 Height: 136 mm Package Level 1 Height: 3471522115300 Package Level 2 Units: 8 piece Package Level 3 Units: 8 piece Package Level 3 Units: 8 piece Package Level 3 Units: 64 piece Number of Main Contacts NO: 4 Number of Main Contacts NO: 0 Number of Auxiliary Contacts NO: 0 Number of Auxiliary Contacts NO: 0 Rated Operational Voltage: Main Circuit 690 V Conventional Free-air Thermal acc. to IEC 60947-4-1, Open Contactors q = 40 °C 125 A	Ordening	
Customs Tariff Number: 85369085 Dimensions Product Net Width: 92 mm Product Net Depth: 119.5 mm Product Net Height: 110 mm Product Net Weight: 1.420 kg Container Information Product Net Weight: 1.420 kg Package Level 1 Units: 1 piece Package Level 1 Length: 190 mm Package Level 1 Length: 190 mm Package Level 1 Length: 136 mm Package Level 1 ENN: 3471522115300 Package Level 1 ENN: 3471522115300 Package Level 1 ENN: 8 piece Package Level 1 Length: 8 piece Package Level 1 ENN: 84 piece Technical Number of Main Contacts NO: 4 Number of Main Contacts NO: 0 Number of Auxiliary Contacts NO: 0 0 Number of Main Contacts NO: 0 Number of Auxiliary Contacts NO: 0 0 Number of Main Contacts NO: 0 Rated Operational Outracts NO: 0 0 Number of Main Contacts NO: 0 Rated Operational Current AC-1 (le): (690 V) A0 °C 125 A (690 V) 70 °C 35 A (690 V) 70 °C 35 A (690 V) 15 °C 75 C 15 A (690 V) 15 °C 75 A (415 V) 55 °C 75 A <th>EAN:</th> <th>3471522115300</th>	EAN:	3471522115300
Dimensions Product Net Width: 92 mm Product Net Depth: 119.5 mm Product Net Depth: 110 mm Product Net Weight: 1.420 kg Container Information Package Level 1 Units: Package Level 1 Units: 1 piece Package Level 1 Height: 136 mm Package Level 1 Height: 136 mm Package Level 1 Height: 136 mm Package Level 1 Gross Weight: 1.42 kg Package Level 2 Units: 8 piece Package Level 2 Units: 8 piece Package Level 2 Units: 84 piece Technical 0 Number of Main Contacts NO: 4 Number of Auxiliary Contacts NO: 0 Number of Auxiliary Contacts NO: 0 Rated Operational Current AC-1 (le): (690 V) 40 °C 125 A (690 V) 70 °C 85 A (690 V) 55 °C 75 A (415 V) 55 °C 72 A (415 V) 55 °C 75 A (415 V) 55 °C 72 A (416 V) 55 °C 75 A (415 V) 55 °C 72 A (416 V) 55 °C 75 A (690 V) 55 °C 65 A (690 V) 55 °C 75 A (415 V) 55 °C 74 A (400 V) 55 °C 75 A <tr< th=""><th>Minimum Order Quantity:</th><th>1 piece</th></tr<>	Minimum Order Quantity:	1 piece
Product Net Width: 92 mm Product Net Height: 119.5 mm Product Net Height: 110 mm Product Net Weight: 1.420 kg Container Information Package Level 1 Units: Package Level 1 Width: 142 mm Package Level 1 Height: 190 mm Package Level 1 Height: 136 mm Package Level 1 EAN: 3471522115300 Package Level 2 Units: 8 piece Package Level 3 Units: 84 piece Technical Number of Main Contacts NO: Number of Main Contacts NO: 4 Number of Main Contacts NO: 0 Rated Operational Voltage: Main Circuit 690 V Conventional Free-air Thermal acc: to IEC 60947-4-1, Open Contactors q = 40 °C 125 A (690 V) 55 °C 105 A (690 V) 55 °C 105 A (690 V) 55 °C 75 A (415 V) 55 °C 75 A (415 V) 55 °C 75 A (416 V) 55 °C 75	Customs Tariff Number:	85369085
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Package Level 1 Units: 1 piece Package Level 1 Length: 142 mm Package Level 1 Length: 190 mm Package Level 1 Height: 136 mm Package Level 1 Gross Weight: 1.42 kg Package Level 1 EAN: 3471522115300 Package Level 2 Units: 8 piece Package Level 3 Units: 8 tpiece Technical Number of Main Contacts NC: Number of Main Contacts NC: 0 Number of Auxiliary Contacts NC: 0 Number of Auxiliary Contacts NC: 0 Number of Auxiliary Contacts NC: 0 Rated Operational Voltage: Main Circuit 630 V Conventional Free-air Thermal acc. to IEC 60947-4-1, Open Contactors q = 40 °C 125 A (690 V) 15 °C 105 A (690 V) 10 °C 125 A (690 V) 55 °C 105 A (690 V) 55 °C 75 A (300 / 400 V) 55 °C 75 A (300 / 400 V) 55 °C 75 A (415 V) 55 °C 72 A (415 V) 55 °C 72 A (415 V) 55 °C 72 A (415 V) 55 °C 72 A (415 V) 55 °C 76 A (500 V) 155 °C 46 A Short-Circuit Protective Devices: gG Type Fuses 160 A Rated Short-time Withstand Current at 0 °C Ambient Temp, in	Product Net Weight:	1.420 kg
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Package Level 1 Height:136 mmPackage Level 1 Gross Weight:1.42 kgPackage Level 1 EAN:3471522115300Package Level 2 Units:8 piecePackage Level 3 Units:84 pieceTechnicalVNumber of Main Contacts NO:4Number of Main Contacts NC:0Number of Auxiliary Contacts NC:0Number of Auxiliary Contacts NC:0Number of Auxiliary Contacts NC:0Rated Operational Voltage:Main Circuit 690 VConventional Free-air Thermal Current (Ith):Circuit 690 V 40 °C 125 A (690 V) 40 °C 125 A (690 V) 55 °C 105 A (690 V) 55 °C 75 A (415 V) 55 °C 75 A (415 V) 55 °C 77 A (440 V) 55 °C 70 A (500 V) 55 °C 66 AShort-Circuit Protective Devices:gG Type Fuses 160 A Rated Short-time Withstand Current at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 650 A	Package Level 1 Width:	142 mm
Package Level 1 Gross Weight: 1.42 kg Package Level 1 EAN: 3471522115300 Package Level 2 Units: 8 piece Package Level 3 Units: 84 piece Technical Number of Main Contacts NO: 4 Number of Main Contacts NO: 0 Number of Auxiliary Contacts NO: 0 Rated Operational Voltage: Main Circuit 690 V Conventional Free-air Thermal Current AC-1 (Ie): (690 V) 40 °C 125 A (690 V) 55 °C 105 A (690 V) 70 °C 85 A Rated Operational Current AC-1 (Ie): (220 / 230 / 240 V) 55 °C 75 A (415 V) 55 °C 72 A (440 V) 55 °C 72 A (440 V) 55 °C 72 A (440 V) 55 °C 72 A (440 V) 55 °C 70 A (500 V) 55 °C 66 A Short-Circuit Protective Devices: gG Type Fuses 160 A Rated Short-time Withstand Current at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 650 A	Package Level 1 Length:	190 mm
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Package Level 2 Units: 8 piece Package Level 3 Units: 84 piece Technical Image: State Stat	Package Level 1 Gross Weight:	1.42 kg
Package Level 3 Units: 84 piece Technical Image: State Conventional Contacts NO: 4 Number of Main Contacts NO: 0 Number of Main Contacts NO: 0 Number of Auxiliary Contacts NO: 0 Number of Auxiliary Contacts NO: 0 Number of Auxiliary Contacts NO: 0 Rated Operational Voltage: Main Circuit 690 V Conventional Free-air Thermal Current (Ith): acc. to IEC 60947-4-1, Open Contactors q = 40 °C 125 A Rated Operational Current AC-1 (Ie): (690 V) 40 °C 125 A Rated Operational Current AC-1 (Ie): (220 / 230 / 240 V) 55 °C 75 A (380 / 400 V) 55 °C 75 A (380 / 400 V) 55 °C 75 A (415 V) 55 °C 72 A (440 V) 55 °C 70 A (690 V) 90 V) 55 °C 76 A (690 V) 95 °C 76 A Short-Circuit Protective Devices: gG Type Fuses 160 A Rated Short-time Withstand Current at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 650 A	Package Level 1 EAN:	3471522115300
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Number of Main Contacts NO: 4 Number of Main Contacts NC: 0 Number of Auxiliary Contacts NO: 0 Number of Auxiliary Contacts NC: 0 Rated Operational Voltage: Main Circuit 690 V Conventional Free-air Thermal Current (Ith): acc. to IEC 60947-4-1, Open Contactors q = 40 °C 125 A Rated Operational Current AC-1 (Ie): (690 V) 40 °C 125 A (690 V) 55 °C 105 A (690 V) 55 °C 75 A (380 / 400 V) 55 °C 75 A (380 / 400 V) 55 °C 75 A (415 V) 55 °C 70 A (500 V) 55 °C 70 A (500 V) 55 °C 65 A (690 V) 55 °C 70 A (690 V) 55 °C 65 A (690 V) 55 °C 70 A (500 V) 55 °C 70 A (500 V) 55 °C 70 A (500 V) 55 °C 70 A (500 V) 55 °C 70 A (500 V) 55 °C 65 A (690 V) 55 °C 70 A (690 V) 55 °C 70 A (500 V) 55 °C 70 A (500 V) 55 °C 65 A (690 V) 55 °C 70 A (500 V) 55 °C 65 A (690 V) 55 °C 70 A (500 V) 55 °C 65 A (690 V) 55 °C 70 A (500 V) 55 °C 70 A (500 A Rated Short-time Withstand Current at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 650 A	Package Level 3 Units:	84 piece
Number of Main Contacts NO: 4 Number of Main Contacts NC: 0 Number of Auxiliary Contacts NO: 0 Number of Auxiliary Contacts NC: 0 Rated Operational Voltage: Main Circuit 690 V Conventional Free-air Thermal Current (Ith): acc. to IEC 60947-4-1, Open Contactors q = 40 °C 125 A Rated Operational Current AC-1 (Ie): (690 V) 40 °C 125 A (690 V) 55 °C 105 A (690 V) 55 °C 75 A (380 / 400 V) 55 °C 75 A (380 / 400 V) 55 °C 75 A (415 V) 55 °C 70 A (500 V) 55 °C 70 A (500 V) 55 °C 65 A (690 V) 55 °C 70 A (690 V) 55 °C 65 A (690 V) 55 °C 70 A (500 V) 55 °C 70 A (500 V) 55 °C 70 A (500 V) 55 °C 70 A (500 V) 55 °C 70 A (500 V) 55 °C 65 A (690 V) 55 °C 70 A (690 V) 55 °C 70 A (500 V) 55 °C 70 A (500 V) 55 °C 65 A (690 V) 55 °C 70 A (500 V) 55 °C 65 A (690 V) 55 °C 70 A (500 V) 55 °C 65 A (690 V) 55 °C 70 A (500 V) 55 °C 70 A (500 A Rated Short-time Withstand Current at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 650 A		
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Rated Short-time Withstand Current at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 650 A	Rated Operational Current AC-3 (I _e):	(380 / 400 V) 55 °C 75 A (415 V) 55 °C 72 A (440 V) 55 °C 70 A (500 V) 55 °C 65 A
	Short-Circuit Protective Devices:	gG Type Fuses 160 A
	a	

ETIM 5:	EC000066 - Magnet contactor, AC-switching		
Classifications			
A 17 (1			
RoHS Information:	1SBC101059D0201		
GOST Certificate:	GOST_POCCFRME77B07175		
Declaration of Conformity - CE:	1SBD250858C1000		
CSA Certificate:	CSA_1033838_LR056745		
CCC Certificate:	CCC_2008010304269002		
Certificates and Declarations (De	ocument Number)		
RoHS Status:	No declaration needed		
Dalle Status	Shock Direction: C1 20 g Shock Direction: C2 20 g		
00000-2-21.	Closed, Shock Direction: B1 10 g Open, Shock Direction: B1 5 g Shock Direction: B2 15 g		
Permissible: Resistance to Shock acc. to IEC 60068-2-27:	Shock Direction: A 20 g		
Maximum Operating Altitude	3000 m		
Ambient Air Temperature:	Near Contactor for Operation in Free Air -40 +70 °C Close to Contactor for Storage -60 +80 °C		
Environmental			
Terminal Type:			
Degree of Protection:	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 Screw Terminals		
Circuit:	Rigid Cable 1 4 mm ²		
Connecting Capacity-Auxiliary	Rigid Cable 6 25 mm ² Flexible with Cable End 0.75 2.5 mm ²		
Connecting Capacity-Main Circuit:	Between Coil De-energization and NC Contact Closing 35 115 ms Flexible with Cable End 6 16 mm ²		
Operate Time:	Between Coil Energization and NO Contact Closing 30 100 ms Between Coil De-energization and NO Contact Opening 30 110 ms		
Coil Consumption:	Pull-in at Max. Rated Control Circuit Voltage 50 Hz 210 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 210 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 7 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 2.8 W Holding at Max. Rated Control Circuit Voltage 50 Hz 7 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 7 V·A		
	60 Hz 100 … 250 V DC Operation 100 … 250 V		
Frequency: Rated Control Circuit Voltage (U _c):	50 Hz 100 250 V		
(U _{imp}): Maximum Mechanical Switching	300 cycles per hour		
Rated Impulse Withstand Voltage	8 kV		
Rated Insulation Voltage (Ui):	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V		
Maximum Electrical Switching Frequency:	AC-1 300 cycles per hour AC-2 / AC-4 150 cycles per hour AC-3 300 cycles per hour		
Maximum Breaking Capacity:	cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 1300 A cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 630 A		
	at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 250 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 370 A		

ETIM 5:	EC000066 - Magnet contactor, AC-switching
UNSPSC:	39121529







Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, <u>click on the green button</u>.

Product	Code	Reference	Product link
AF75-40-00 100-250V 50Hz / 100-250V 60Hz / 100-250V DC Contactor	1SBL417201R7000	AF75-40-00	Buy on EAN