

PRODUCT-DETAILS

AFC09-40-00-84 AFC09-40-00-84 110V50Hz 110-120V60Hz Contactor



General Information	
Extended Product Type	AFC09-40-00-84
Product ID	1SBL131201R8400
EAN	3471523014046
Catalog Description	AFC09-40-00-84 110V50Hz 110-120V60Hz Contactor
Long Description	The AFC09-40-00-84 is a 4 poles (4 N.O) - 690 V IEC or 600V UL contactor with screw terminals, mainly controlling power circuits up to 4 kW / 400 V AC (AC-3) or 5 hp / 480 V AC UL and 25 A (AC-1) or 25 A UL general use. Within the AF platform, AFC contactors offer an optimized operating time for AC controlled applications with electromagnetic coil (control voltage: 110 V AC 50 Hz / 110 120 V AC 60 Hz). AFC contactors have a block type design and can be easily extended with add-on auxiliary contact blocks and a wide range of additionnal accessories.

	additionnal accessories.
Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900
Popular Downloads	
Data Sheet, Technical Information	1SBC100219C0201
Instructions and Manuals	4CDC4040E0MC904

Dimensions	
Product Net Width	45 mm
Product Net Depth / Length	77 mm
Product Net Height	86 mm
Product Net Weight	0.306 kg
Technical	
Number of Main Contacts NO	4
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	0
Number of Auxiliary Contacts NC	0
Standards	IEC 60947-1 / 60947-4-1 and EN 60947-1 / 60947-4-1, UL 508, CSA C22.2 N $^{\circ}$
Rated Operational Voltage	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 q = 40 °C 35 A
Rated Operational Current AC-1 (I _e)	(690 V) 40 °C 25 (690 V) 60 °C 25 A (690 V) 70 °C 22
Rated Operational Current AC-3 (I _e)	(415 V) 60 °C 9 A (440 V) 60 °C 9 A (500 V) 60 °C 9.5 A (690 V) 60 °C 7 A (380 / 400 V) 60 °C 9 A (220 / 230 / 240 V) 60 °C 9 A
Rated Operational Power AC-3 (P _e)	(400 V) 4 kW (415 V) 4 kW (440 V) 4 kW (500 V) 5.5 kW (690 V) 5.5 kW (380 / 400 V) 4 kW (220 / 230 / 240 V) 2.2 kW
Rated Short-time Withstand Current Low Voltage (I _{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 150 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 35 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 60 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 300 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 80 A for 1 s -empty- A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 250 A cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 106 A
Maximum Electrical Switching Frequency	(AC-1) 600 cycles per hour (AC-15) 0 cycles per hour (AC-2 / AC-4) 0 cycles per hour (AC-3) 0 cycles per hour (DC-13) 0 cycles per hour
Rated Insulation Voltage (U _i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V acc. to UL/CSA 600 V
Pated Impulse Withstand	CIA

Rated Impulse Withstand 6 kV

Maximum Mechanical Switching Frequency	3600 cycles per hou
Rated Control Circuit Voltage (U _c)	50 Hz 110 V 60 Hz 110 120 V
Operate Time	Between Coil De-energization and NC Contact Closing 9 20 ms Between Coil De-energization and NO Contact Opening 4 18 ms Between Coil Energization and NC Contact Opening 7 21 ms Between Coil Energization and NO Contact Closing 10 26 ms
Connecting Capacity Main Circuit	Flexible with Ferrule 1/2x 0.75 6 mm² Flexible with Insulated Ferrule 1x 0.75 4 mm² Flexible with Insulated Ferrule 2x 0.75 2.5 mm² Rigid 1/2x 1 6 mm²
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 0.75 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 1.5 mm ² Flexible with Insulated Ferrule 1x 0.75 2.5 mm ²
Connecting Capacity Control Circuit	Flexible with Ferrule 1/2x 0.75 2.5 mm ² Flexible with Insulated Ferrule 1x 0.75 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 1.5 mm ² Rigid 1/2x 1 2.5 mm ²
Wire Stripping Length	Control Circuit 10 mm Main Circuit 10 mm
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
Bog. oc or rotoction	acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20
Terminal Type	acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 Screw Terminals
Technical UL/CSA General Use Rating	<u> </u>
Terminal Type Technical UL/CSA General Use Rating UL/CSA Tightening Torque UL/CSA	Screw Terminals
Technical UL/CSA General Use Rating UL/CSA Tightening Torque	Screw Terminals (600 V AC) 25 A Control Circuit 11 in·lb
Technical UL/CSA General Use Rating UL/CSA Tightening Torque UL/CSA	Screw Terminals (600 V AC) 25 A Control Circuit 11 in·lb
Technical UL/CSA General Use Rating UL/CSA Tightening Torque UL/CSA Environmental	Close to Contactor for Storage -60 +80 °C Near Contactor for Operation in Free Air (0.85 1.1 Uc) -40 60 °C
Technical UL/CSA General Use Rating UL/CSA Tightening Torque UL/CSA Environmental Ambient Air Temperature	Close to Contactor for Storage -60 +80 °C Near Contactor for Operation in Free Air (0.85 1.1 Uc) -40 60 °C Near Contactor for Operation in Free Air (Uc) -40 70 °C
Technical UL/CSA General Use Rating JL/CSA Tightening Torque JL/CSA Environmental Ambient Air Temperature Climatic Withstand Maximum Operating	Close to Contactor for Storage -60 +80 °C Near Contactor for Operation in Free Air (0.85 1.1 Uc) -40 60 °C Near Contactor for Operation in Free Air (Uc) -40 70 °C Category B according to IEC 60947-1 Annex Q

Certificates and Declarations (Document Number) CB Certificate CB_SE-96551M1 CQC Certificate CQC2010010304445624 Declaration of Conformity 2020980304001253 - CCC

Declaration of Conformity - CE	1SBD250025U1000
Instructions and Manuals	1SBC101059M6801
RoHS Information	1SBD251089E1000
UL Certificate	UL_20191021-E312527_7_1

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	87 mm
Package Level 1 Depth / Length	79 mm
Package Level 1 Height	47 mm
Package Level 1 Gross Weight	0.306 kg
Package Level 1 EAN	3471523014046
Package Level 3 Units	1296 piece

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

Categories

Low Voltage Products and Systems \rightarrow Control Products \rightarrow Contactors \rightarrow Block Contactors

