

PRODUCT-DETAILS

A50-40-00 110V 50Hz / 110-120V 60Hz A50-40-00 110V 50Hz / 110-120V 60Hz Contactor



Extended Product Type	A50-40-00 110V 50Hz / 110-120V 60Hz
Product ID	1SBL351201R8400
EAN	3471522086846
Catalog Description	A50-40-00 110V 50Hz / 110-120V 60Hz Contactor
Long Description	A50 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 A 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 operated with laminated magnet circuit - Accessories: a wide range of accessories is available.
Ordering	
Minimum Order Quantity	1 piece

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900
Replacement Product ID (NEW)	1SBL361201R8400
Popular Downloads	

Data Sheet, Technical Information	
Instructions and	
Manuals	

1SBC100122C0202_Ch02

FPTC407701P0003

Dimensions	
Product Net Width	92 mm
Product Net Depth / Length	119.5 mm
Product Net Height	110 mm
Product Net Weight	1.39 kg

·
(
C
(
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 947-4-3
Main Circuit 1000 V
acc. to IEC 60947-4-1, Open Contactors q = 40 °C 100 A
(690 V) 40 °C 100 A (690 V) 55 °C 85 A (690 V) 70 °C 70 A
(415 V) 55 °C 50 A (440 V) 55 °C 45 A (500 V) 55 °C 45 A (690 V) 55 °C 35 A (1000 V) 55 °C 23 A (380 / 400 V) 55 °C 50 A (220 / 230 / 240 V) 55 °C 53
(415 V) 25 kW (440 V) 25 kW (500 V) 30 kW (690 V) 30 kW (1000 V) 30 kW (380 / 400 V) 22 kW (220 / 230 / 240 V) 15 kW
8 x le AC-3
10 x le AC-3
gG Type Fuses 100 A
at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 650 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 110 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
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
(AC-1) 600 cycles per hour (AC-2 / AC-4) 150 cycles per hour (AC-3) 600 cycles per hour
acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V
8 kV

Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage (U _c)	50 Hz 110 V 60 Hz 110 120 V
Coil Consumption	Average Holding Value 50 / 60 Hz 18 V·A Average Pull-in Value 50 Hz 190 V·A Average Pull-in Value 60 Hz 180 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 18 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 18 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 18 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 18 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 18 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 18 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 18 V·A
Operate Time	Between Coil De-energization and NO Contact Opening 4 11 ms Between Coil Energization and NO Contact Closing 8 27 ms
Mounting on DIN Rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH75-25 (75 x 25 mm Mounting Rail) acc. to IEC 60715
Mounting by Screws (not supplied)	2 x M6 screws placed diagonally
Connecting Capacity Main Circuit	Flexible with Cable End 6 16 mm² Rigid Cable 6 25 mm²
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 2.5 mm² Rigid Cable 1 4 mm²
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10
Connecting Terminals (delivered in open position) Main Poles	M 6 (+,-) pozidriv 2 screws with 1x (13 x 10 mm) connector
Terminal Type	Screw Terminals
Technical UL/CSA	
General Use Rating UL/CSA	(600 V AC) 80 A
Environmental	
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 55 °C Near Contactor for Operation in Free Air (Uc) -40 70 °C
Ambient Air	Near Contactor for Operation in Free Air (0.85 1.1 Uc) -40 55 °C
Ambient Air Temperature	Near Contactor for Operation in Free Air (0.85 1.1 Uc) -40 55 °C Near Contactor for Operation in Free Air (Uc) -40 70 °C
Ambient Air Temperature Climatic Withstand Maximum Operating	Near Contactor for Operation in Free Air (0.85 1.1 Uc) -40 55 °C Near Contactor for Operation in Free Air (Uc) -40 70 °C acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II

Certificates and Declarations (Document Number)	
BV Certificate	BV_2634H07559E0
CB Certificate	CB_CN45324
CCC Certificate	CCC_2018010304129267
CQC Certificate	CQC2018010304129267 CQC2008010309289461
CSA Certificate	CSA_1033838_LR056745
Declaration of Conformity - CCC	2020980304001622 2020980304001226
Declaration of Conformity - CE	1SBD250802U1000

A50-40-00 110V 50Hz / 110-120V 60Hz

Declaration of	1SBD250819U1000
Conformity - UKCA	
DNV Certificate	DNV-GL_TAE00000TX
DNV GL Certificate	DNV-GL_TAE00000TX
EAC Certificate	EAC_RU C-FR ME77 B03599
Environmental Information	1SBD250008E1003
Instructions and Manuals	FPTC407701P0003
LR Certificate	LRS_9830011E4
RINA Certificate	RINA_ELE172319XG001
RMRS Certificate	RMRS_0507015250
RoHS Information	1SBD250802U1000
UL Certificate	UL_20120830-E312527-10-1
UL Listing Card	UL_E312527

Container Information	
Package Level 1 Units	1 piece
Package Level 1 Width	142 mm
Package Level 1 Depth / Length	190 mm
Package Level 1 Height	136 mm
Package Level 1 Gross Weight	1.39 kg
Package Level 1 EAN	3471522086846
Package Level 2 Units	box 63 piece
Package Level 2 Gross Weight	87.57 kg

Classifications	
Object Classification Code	Q
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
ETIM 8	EC000066 - Power contactor, AC switching
eClass	V11.0 : 27371003
UNSPSC	39121529

Categories

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

