

Detailed information for: BC6-40-00-01

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Data Sheet

Documentation

BC6-40-00-01

General Information

Extended Product Type:BC6-40-00-01

Product ID:	GJL1213201R0001
EAN:	4013614053450
Catalog Description:	BC6-40-00-01 Mini Contactor 24VDC

Long Description: The BC6-40-00 mini contactor is a compact 4 pole contactor with screw terminals. They are ideally suited for applications where reliability is a must and space is at a premium. Mini contactors are used in residential buildings, commercial buildings and industrial applications for the control of single or three-phase loads up to 4 kW (AC-3) and 20 A / 690 V (AC-1) or switching of control signals. Further features are the noiseless and hum-free coil, a switch position indication and the integrated possibility for rail or wall mounting.



Categories

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

+ Accessories

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85365080

Popular Downloads

Data Sheet, Technical Information:	1SBC100173C0201
Dimension Diagram:	GJL1200436F0001

Dimensions

Product Net Width:	52.5 mm
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Product Net Height:	57.5 mm
Product Net Depth:	46.5 mm
Product Net Weight:	0.175 kg

Technical

Number of Poles:	4
Mini Contactor Type:	Mini Contactor
Rated Operational Voltage:	Main Circuit 12 ... 690 V AC/DC Main Circuit 690 V AC
Rated Frequency (f):	Control Circuit DC Main Circuit 60 Hz Main Circuit 50 Hz Main Circuit DC
Rated Impulse Withstand Voltage (U _{imp}):	Main Circuit 6 kV
Rated Insulation Voltage (U _i):	690 V acc. to UL/CSA 600 V
Number of Main Contacts NC:	0
Number of Main Contacts NO:	4
Rated Operational Current AC-1 (I _e):	(220 / 240 V) 40 °C 20 A (220 / 240 V) 55 °C 16 A (380 / 440 V) 40 °C 20 A (380 / 440 V) 55 °C 16 A (690 V) 40 °C 6 A (690 V) 55 °C 6 A
Rated Operational Power AC-3 (P _e):	(220 / 230 / 240 V) 2.2 kW (400 V) 4 kW (400 V) Three Phase 4 kW (440 V) 4 kW (500 V) 4 kW (690 V) 3 kW
Rated Short-time Withstand Current (I _{cw}):	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 64 A
Number of Auxiliary Contacts NC:	0
Number of Auxiliary Contacts NO:	0
Conventional Free-air Thermal Current (I _{th}):	Main Circuit 20 A
Rated Control Circuit Voltage (U _c):	24 V DC
Coil Operating Limits:	(acc. to IEC 60947-4-1) for DC supply 0.85 ... 1.1 x U _c (at θ ≤ 55 °C)
Degree of Protection:	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 Main Circuit Terminals IP20
Mechanical Durability:	10000000 cycle
Maximum Electrical Switching Frequency:	AC-1 300 cycles per hour AC-15 360 cycles per hour AC-3 600 cycles per hour DC-1 600 cycles per hour DC-13 360 cycles per hour DC-3 600 cycles per hour
Connecting Capacity Main Circuit:	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
Connecting Capacity Auxiliary Circuit:	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ²

Flexible 1/2x 1 ... 2.5 mm²
Rigid 1/2x 1 ... 4 mm²

Connecting Capacity Control Circuit: Flexible with Ferrule 1/2x 1 ... 2.5 mm²
Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm²
Flexible 1/2x 1 ... 2.5 mm²
Rigid 1/2x 1 ... 4 mm²

Wire Stripping Length: Main Circuit 9 mm

Tightening Torque: Control Circuit 0.8 ... 1.1 N·m
Main Circuit 0.8 ... 1.1 N·m

Mounting on DIN Rail: TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715

Standards: IEC/EN 60947-1
IEC/EN 60947-4-1
IEC/EN 60947-5-1
UL 60947-1
UL 60947-4-1

Environmental

Ambient Air Temperature: Operation -20 ... +55 °C
Storage -40 ... +80 °C

Maximum Operating Altitude Permissible: 2000 m

Resistance to Shock acc. to IEC 60068-2-27: 11 ms Pulse 15g

Resistance to Vibrations acc. to IEC 60068-2-6: 5g / 5 ... 150 Hz

RoHS Status: Following EU Directive 2011/65/EC

Technical UL/CSA

Maximum Operating Voltage UL/CSA: Main Circuit 600 V AC

Full Load Amps Motor Use: (240 V AC) Single Phase 4.9 A
(440 ... 480 V AC) Three Phase 4.8 A

Horsepower Rating UL/CSA: (208 V AC) Three Phase 1 Hp
(220 ... 240 V AC) Single Phase 0.5 Hp
(220 ... 240 V AC) Three Phase 2 Hp
(440 ... 480 V AC) Three Phase 3 Hp
(550 ... 600 V AC) Three Phase 1 Hp

General Use Rating UL/CSA: (300 V AC) 12 A

Connecting Capacity Main Circuit UL/CSA: Stranded 1/2x 22-10 AWG

Connecting Capacity Auxiliary Circuit UL/CSA: Stranded 1/2x 22-10 AWG

Tightening Torque UL/CSA: Control Circuit 7 in·lb
Main Circuit 7 in·lb

Certificates and Declarations (Document Number)

BV Certificate: 1SAA920000-0204

CB Certificate: 1SAA938000-2002

CCC Certificate: 1SAA938001-3804

cUL Certificate: cUL E191658

Declaration of Conformity - CE: 1SAD938512-0001

DNV Certificate: 1SAA938000-0305

EAC Certificate: 1SAA920000-2702

GL Certificate:	1SAA938000-0403
Instructions and Manuals:	2CDC102047M6801
KC Certificate:	1SAA938000-1501
LR Certificate:	1SAA938000-0503
RMRS Certificate:	1SAA938000-0704
RoHS Information:	1SAD938512-0001

Container Information

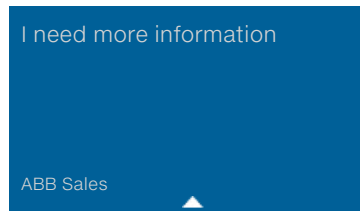
Package Level 1 Units:	10 piece
Package Level 1 Width:	115 mm
Package Level 1 Height:	54 mm
Package Level 1 Length:	280 mm
Package Level 1 Gross Weight:	1.82 kg
Package Level 1 EAN:	4013614415302

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
eClass:	7.0 27371003
UNSPSC:	39121529

Contact information

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