

BC6-30-10-01

General Information

Extended Product Type:	BC6-30-10-01
Product ID:	GJL1213001R0101
EAN:	4013614052880
Catalog Description:	BC6-30-10-01 Mini Contactor
Long Description:	The BC6-30-10 mini contactor is a compact 3 pole contactor with 1 auxiliary contact and 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

Ordering

EAN:	4013614052880
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85365080

Dimensions

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

Container Information

Package Level 1 Units:	10 piece
Package Level 1 Width:	115.0 mm
Package Level 1 Height:	54.0 mm
Package Level 1 Length:	280.0 mm
Package Level 1 Gross Weight:	1.820 kg
Package Level 1 EAN:	4013614414541

Technical

Number of Poles:	4
Mini Contactor Type:	Mini Contactor
Rated Operational Voltage (U_e):	Main Circuit 12 ... 690 V AC Auxiliary Circuit 12 ... 500 V AC Auxiliary Circuit 12 ... 240 V DC
Rated Frequency (f_r):	Control Circuit DC Main Circuit DC Main Circuit 50/60 Hz
Rated Impulse Withstand Voltage (U_{imp}):	Main Circuit 6 kV Auxiliary Circuit 6 kV
Rated Insulation Voltage (U_i):	690 V
Number of Main Contacts NC:	0
Number of Main Contacts NO:	3
Rated Operational Current AC-1 (I_e):	(220/240V) 40°C 20 A (380/440V) 40°C 20 A (690V) 40°C 6 A (220/240V) 55°C 16 A (380/440V) 55°C 16 A (690V) 55°C 6 A
Rated Operational Power AC-3 (P_e):	(220 / 230 / 240V) 2.2 kW (400V) 4 kW (440V) 4 kW (500V) 4 kW (690V) 3 kW
Rated Short-time Withstand Current (I_{cw}):	at 40°C Ambient Temp, in Free Air, from a Cold State 10s 64 A
Number of Auxiliary Contacts NC:	0
Number of Auxiliary Contacts NO:	1
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 $\theta \leq 55^\circ\text{C}$)
Degree of Protection:	IP20
Mechanical Durability:	10000000 cycle
Maximum Electrical Switching	AC-1 300 cycles per hour

Frequency:	AC-3 600 cycles per hour AC-15 600 cycles per hour DC-13 600 cycles per hour DC-3 600 cycles per hour DC-1 600 cycles per hour
Connecting Capacity-Main Circuit:	Rigid 1/2x 1 ... 4 mm ² 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
Connecting Capacity-Auxiliary Circuit:	Rigid 1/2x 1 ... 4 mm ² 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
Connecting Capacity-Control Circuit:	Rigid 1/2x 1 ... 4 mm ² 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
Wire Stripping Length:	Main Circuit 9 mm Auxiliary Circuit 9 mm
Tightening Torques:	Main Circuit 0.8 ... 1.1 N·m Auxiliary Circuit 0.8 ... 1.1 N·m Control Circuit 0.8 ... 1.1 N·m
Mounting on DIN Rail:	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Power Loss:	Per Pole 2 W
Standards:	IEC/EN 60947-1, IEC/EN 60947-4-1, IEC/EN 60947-5-1, UL508, CSA 22.2 No. 14

Environmental

Ambient Air Temperature:	Operation -25 ... +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 2002/95/EC August 18, 2005 and amendment

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Connecting Capacity-Main Circuit UL/CSA:	Stranded 1/2x 22 ... 10 AWG
Connecting Capacity-Auxiliary Circuit UL/CSA:	Stranded 1/2x 22 ... 10 AWG
Horse Power Rating UL/CSA:	208V AC Three Phase 1 Hp 220 ... 240V AC Three Phase 2 Hp 440 ... 480V AC Three Phase 3 Hp 550 ... 600V AC Three Phase 1 Hp
Tightening Torques UL/CSA:	Main Circuit 7 in·lb Auxiliary Circuit 7 in·lb Control Circuit 7 in·lb
General Use Rating UL/CSA:	300V AC 16 A

Certificates and Declarations (Document Number)

BV Certificate:	1SAA938000-0203
CB Certificate:	1SAA938000-2002
CCC Certificate:	1SAA938001-3804
CSA Certificate:	1SAA938000-1102
cUL Certificate:	1SAA938003-1701
Declaration of Conformity - CE:	1SAD938509-0001
DNV Certificate:	1SAA938000-0304
GL Certificate:	1SAA938000-0403
GOST Certificate:	1SAA920000-2701
LR Certificate:	1SAA938000-0503
RMRS Certificate:	1SAA938000-0703
UL Certificate:	1SAA938000-1604

Classifications

Object Classification Code:	Q
E-nummer:	E3210051
ETIM 4.0:	EC000066 - Magnet contactor, AC-switching
ETIM 5.0:	EC000066 - Magnet contactor, AC-switching

