

General Information

Extended Product Type:	B7-40-00-85
Product ID:	GJL1311201R8005
EAN:	4013614187605
Catalog Description:	B7-40-00-85 Mini Contactor 380-415V 40-450Hz
Long Description:	The B7-40-00 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 5.5 kW (AC-3) and 20 A / 690 V (AC-1) or switching of control signals. Further features are the silent 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

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85365080
EAN:	4013614187605

Dimensions

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

Container Information

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:	4013614417023
Package Level 1 Units:	10 piece

Technical

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 400 Hz Control Circuit 50 Hz Control Circuit 60 Hz 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) 3 kW (400 V) 5.5 kW (400 V) Three Phase 5.5 kW (440 V) 5.5 kW (500 V) 5.5 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 96 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):	380 ... 415 V AC
Coil Operating Limits:	(acc. to IEC 60947-4-1) for AC supply 0.85 ... 1.1 x U _c (at θ ≤ 55 °C)
Degree of Protection:	Control Circuit Terminals IP20 Main Circuit Terminals IP20
Mechanical Durability:	10000000 cycle
Minimum Switching Capacity:	17 V 200 mA
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 mm ² Rigid 1/2x 1 ... 4 mm ²
Connecting Capacity Control 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
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
Power Loss:	at Rated Operating Conditions per Pole 2 W
Standards:	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1
Number of Poles:	4

Environmental

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
Ambient Air Temperature:	Operation -25 ... +55 °C Storage -40 ... +80 °C

Technical UL/CSA

Full Load Amps Motor Use:	(240 V AC) Single Phase 10 A (440 ... 480 V AC) Three Phase 7.6 A
Horsepower Rating UL/CSA:	(208 V AC) Three Phase 3 Hp (220 ... 240 V AC) Single Phase 1.5 Hp (220 ... 240 V AC) Three Phase 3 Hp (440 ... 480 V AC) Three Phase 5 Hp (550 ... 600 V AC) Three Phase 5 Hp
General Use Rating UL/CSA:	(600 V AC) 16 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
Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC

Certificates and Declarations (Document Number)

Instructions and Manuals:	2CDC102047M6801
BV Certificate:	1SAA938000-0203

CB Certificate:	1SAA938000-2002
CCC Certificate:	1SAA938001-3804
cUL Certificate:	1SAA938003-1701
Data Sheet, Technical Information:	1SBC100173C0201
Declaration of Conformity - CE:	1SAD938510-0001
DNV Certificate:	1SAA938000-0305
EAC Certificate:	1SAA920000-2702
GL Certificate:	1SAA938000-0403
LR Certificate:	1SAA938000-0504
RMRS Certificate:	1SAA938000-0703
RoHS Information:	1SAA938003-4403
UL Certificate:	1SAA938000-1604

Classifications

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
Object Classification Code:	Q

Accessories [Show accessory images](#)

15 Products Filter

Identifier	Description	Type	Qty	Unit Of Measure
GJL1201317R0002	CA6-11E Hilfskontakt	CA6-11E	1	piece
GJL1201317R0003	CA6-11M Hilfskontakt	CA6-11M	1	piece
GJL1201317R0004	CA6-11N Hilfskontakt	CA6-11N	1	piece
GJL1201330R0002	CAF6-11E Hilfskontakt	CAF6-11E	1	piece
GJL1201330R0003	CAF6-11M Hilfskontakt	CAF6-11M	1	piece
GJL1201330R0004	CAF6-11N Hilfskontakt	CAF6-11N	1	piece
GJL1201330R0006	CAF6-20E Hilfskontakt	CAF6-20E	1	piece
GJL1201330R0007	CAF6-20M Hilfskontakt	CAF6-20M	1	piece
GJL1201330R0008	CAF6-20N Hilfskontakt	CAF6-20N	1	piece
GJL1201330R0010	CAF6-02E Hilfskontakt	CAF6-02E	1	piece
GJL1201330R0011	CAF6-02M Hilfskontakt	CAF6-02M	1	piece
GJL1201330R0012	CAF6-02N Hilfskontakt	CAF6-02N	1	piece
GJL1201904R0001	BN6 Zubehör für Kleinschütze	BN6	1	piece
GJL1201906R0001	LT6-B Zubehör für Kleinschütze	LT6-B	1	piece
GJL1201907R0001	LP6 Zubehör für Kleinschütze	LP6	1	piece

