

PRODUCT-DETAILS

B7-30-10-80

B7-30-10-80 Mini Contactor 220 ... 240 V AC - 3 NO - 0 NC - Screw Terminals



General Information

Extended Product Type	B7-30-10-80
Product ID	GJL1311001R8100
EAN	4013614150197
Catalog Description	B7-30-10-80 Mini Contactor 220 ... 240 V AC - 3 NO - 0 NC - Screw Terminals

Long Description

The B7-30-10 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 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.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

Popular Downloads

Data Sheet, Technical	1SBC100214C0202
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Information

Instructions and Manuals	2CDC102047M6801
CAD Dimensional Drawing	2CDC001079B0201
Dimension Diagram	GJL1200436F0001

Dimensions

Product Net Width	52.5 mm
Product Net Height	57.5 mm
Product Net Depth / Length	46.7 mm
Product Net Weight	0.175 kg

Technical

Number of Poles	3
Mini Contactor Type	Mini Contactor
Rated Operational Voltage	Auxiliary Circuit 690 V AC Auxiliary Circuit 250 V DC Main Circuit 690 V AC Main Circuit 220 V DC
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})	Auxiliary Circuit 6 kV 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	3
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)	(230 V) Three Phase 3 kW (400 V) Three Phase 5.5 kW (500 V) Three Phase 5.5 kW (690 V) Three Phase, NO 3 kW
Rated Short-time Withstand Current Low Voltage (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	1

Rated Operational Current AC-15 (I_{θ})	(24 V) 4 A (120 V) 4 A (500 V) 2 A (220 / 240 V) 4 A (380 / 400 V) 3 A
Rated Operational Current DC-13 (I_{θ})	(24 V) 2.5 A (110 V) 0.7 A (220 / 240 V) 0.4 A
Conventional Free-air Thermal Current (I_{th})	Main Circuit 20 A
Rated Control Circuit Voltage (U_c)	220 ... 240 V AC
Coil Operating Limits	(acc. to IEC 60947-4-1) for AC supply 0.85 ... 1.1 x U_c (at $\theta \leq 55^\circ\text{C}$)
Degree of Protection	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 Main Circuit Terminals IP20
Mechanical Durability	10000000 cycle
Minimum Switching Capacity	Auxiliary Circuit 17 V Auxiliary Circuit 5 mA
Maximum Electrical Switching Frequency	(AC-1) 300 cycles per hour (AC-15) 600 cycles per hour (AC-3) 600 cycles per hour (DC-1) 600 cycles per hour (DC-13) 600 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	Auxiliary Circuit 9 mm Main Circuit 9 mm
Tightening Torque	Auxiliary Circuit 0.8 ... 1.1 N·m Control Circuit 0.8 ... 1.1 N·m Main Circuit 0.8 ... 1.1 N·m
Recommended Screw Driver	M3 Pozidriv 1
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	at Rated Operating Conditions AC-1 per Pole 1.4 W
Standards	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1

Technical UL/CSA

Maximum Operating Main Circuit 600 V AC

Voltage UL/CSA

Full Load Amps Motor Use	(115 V AC) Single Phase 13.8 A (200 V AC) Three Phase 7.8 A (220 ... 240 V AC) Three Phase 9.6 A (230 V AC) Single Phase 10 A (440 ... 480 V AC) Three Phase 7.6 A (550 ... 600 V AC) Three Phase 6.1 A
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Horsepower Rating UL/CSA

(115 V AC) Single Phase 0.75 Hp (200 V AC) Three Phase 2 Hp (220 ... 240 V AC) Three Phase 3 Hp (230 V AC) Single Phase 1.5 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

Contact Rating UL/CSA

A600

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

Auxiliary Circuit 7 in-lb
Control Circuit 7 in-lb
Main Circuit 7 in-lb

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

5g 5 ... 150 Hz

Material Compliance

Conflict Minerals Reporting Template (CMRT)

9AKK108467A5658

REACH Declaration

2CMT2021-006202

RoHS Information

2CMT2021-006277

RoHS Status

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Toxic Substances Control Act - TSCA

2CMT2023-006525

WEEE B2C / B2B

Business To Business

WEEE Category

5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

BV Certificate

1SAA920000-0204

CB Certificate

1SAA938000-2002

CQC Certificate

CQC2003010304064033

Declaration of Conformity - CCC	2020980304001854
Declaration of Conformity - CE	1SAD101100-3101
Declaration of Conformity - UKCA	1SAD201100-3101
DNV GL Certificate	1SAA938000-0306
EAC Certificate	1SAA920000-2702
KC Certificate	1SAA938000-1501
LR Certificate	1SAA938000-0504
RMRS Certificate	1SAA938000-0704
UL Certificate	E191658-19881208

Container Information

Package Level 1 Units	box 10 piece
Package Level 1 Width	115 mm
Package Level 1 Height	54 mm
Package Level 1 Depth / Length	280 mm
Package Level 1 Gross Weight	1.82 kg
Package Level 1 EAN	4013614416637

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
E-Number (Sweden)	3210014
IDEA Granular Category Code (IGCC)	4761 >> Magnet contactor, AC-switching

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
GJL1201317R0002	CA6-11E Auxiliary Contact - 0 NO - 0 NC - Screw Terminals	CA6-11E	1	piece
GJL1201317R0003	CA6-11M Auxiliary Contact - 0 NO - 0 NC - Screw Terminals	CA6-11M	1	piece
GJL1201317R0004	CA6-11N Auxiliary Contact - 0 NO - 0 NC - Screw Terminals	CA6-11N	1	piece
GJL1201330R0003	CAF6-11M Auxiliary Contact - 0 NO - 0 NC - Screw Terminals	CAF6-11M	1	piece
GJL1201330R0006	CAF6-20E Auxiliary Contact - 0 NO - 0 NC - Screw Terminals	CAF6-20E	1	piece
GJL1201330R0011	CAF6-02M Auxiliary Contact - 0 NO - 0 NC - Screw Terminals	CAF6-02M	1	piece
GJL1201330R0007	CAF6-20M Auxiliary Contact - 0 NO - 0 NC - Screw Terminals	CAF6-20M	1	piece
GJL1201330R0012	CAF6-02N Auxiliary Contact - 0 NO - 0 NC - Screw Terminals	CAF6-02N	1	piece
GJL1201330R0008	CAF6-20N Auxiliary Contact - 0 NO - 0 NC - Screw Terminals	CAF6-20N	1	piece
GJL1201330R0002	CAF6-11E Auxiliary Contact - 0 NO - 0 NC - Screw Terminals	CAF6-11E	1	piece
GJL1201330R0004	CAF6-11N Auxiliary Contact - 0 NO - 0 NC - Screw Terminals	CAF6-11N	1	piece
GJL1201330R0010	CAF6-02E Auxiliary Contact - 0 NO - 0 NC - Screw Terminals	CAF6-02E	1	piece
GJL1201906R0001	LT6-B Cover Cap - No Terminals	LT6-B	1	piece
GJL1201904R0001	BN6 Plunger - No Terminals	BN6	1	piece

Categories

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

