

PRODUCT-DETAILS

B6-40-00-F-80

B6-40-00-F-80 Mini Contactor 220 ... 240 V AC - 4 NO - 0 NC - Flat-Pin Connections



General Information

Extended Product Type	B6-40-00-F-80
Product ID	GJL1211203R8000
EAN	4013614153136
Catalog Description	B6-40-00-F-80 Mini Contactor 220 ... 240 V AC - 4 NO - 0 NC - Flat-Pin Connections
Long Description	The B6-40-00-F mini contactor is a compact 4 pole contactor with flat pin connection. 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 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 Information	1SBC100214C0202
Instructions and Manuals	2CDC102047M6801

CAD Dimensional Drawing	2CDC001079B0201
Dimension Diagram	GJL1200437F0001

Dimensions

Product Net Width	52.5 mm
Product Net Height	57.5 mm
Product Net Depth / Length	46.7 mm
Product Net Weight	0.17 kg

Technical

Number of Poles	4
Mini Contactor Type	Mini Contactor
Rated Operational Voltage	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})	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)	(230 V) Three Phase 2.2 kW (400 V) Three Phase 4 kW (500 V) Three Phase 4 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 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)	220 ... 240 V AC
Coil Operating Limits	(acc. to IEC 60947-4-1) for AC supply 0.85 ... 1.1 x U_c (at $\theta \leq 55$ °C)

Degree of Protection	Control Circuit Terminals IP20 Main Circuit Terminals IP20
Mechanical Durability	10000000 cycle
Maximum Electrical Switching Frequency	(AC-1) 300 cycles per hour (AC-3) 600 cycles per hour (DC-1) 600 cycles per hour (DC-3) 600 cycles per hour
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 per Pole 2 W at Rated Operating Conditions AC-1 per Pole 1 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 Voltage UL/CSA	Main Circuit 600 V AC
Full Load Amps Motor Use	(115 V AC) Single Phase 5.8 A (200 V AC) Three Phase 4.8 A (220 ... 240 V AC) Three Phase 6.8 A (230 V AC) Single Phase 4.9 A (440 ... 480 V AC) Three Phase 4.8 A (550 ... 600 V AC) Three Phase 1.7 A
Horsepower Rating UL/CSA	(115 V AC) Single Phase 0.25 Hp (200 V AC) Three Phase 1 Hp (220 ... 240 V AC) Three Phase 2 Hp (230 V AC) Single Phase 0.5 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

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/EU and Amendment 2015/863 July 22, 2019

Certificates and Declarations

BV Certificate	1SAA920000-0204
CB Certificate	1SAA938000-2002
CQC Certificate	CQC2003010304064033
cURus Certificate	cUL_E191658
Declaration of Conformity	2020980304001854

- CCC

Declaration of Conformity - CE	1SAD101100-3101
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Declaration of Conformity - UKCA	1SAD201100-3101
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DNV GL Certificate	1SAA938000-0306
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EAC Certificate	1SAA920000-2702
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KC Certificate	1SAA938000-1501
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LR Certificate	1SAA938000-0504
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RMRS Certificate	1SAA938000-0704
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UL Certificate	E191658-19880915
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Container Information

Package Level 1 Units	box 10 piece
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Package Level 1 Width	115 mm
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Package Level 1 Height	54 mm
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Package Level 1 Depth / Length	280 mm
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Package Level 1 Gross Weight	1.77 kg
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Package Level 1 EAN	4013614413292
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Classifications

Object Classification Code	Q
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ETIM 4	EC000066 - Magnet contactor, AC-switching
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ETIM 5	EC000066 - Magnet contactor, AC-switching
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ETIM 6	EC000066 - Power contactor, AC switching
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ETIM 7	EC000066 - Power contactor, AC switching
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ETIM 8	EC000066 - Power contactor, AC switching
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eClass	V11.0 : 27371003
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UNSPSC	39121529
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E-Number (Finland)	3709113
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IDEA Granular Category Code (IGCC)	4761 >> Magnet contactor, AC-switching
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Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
GJL1201318R0004	CA6-11N-F Auxiliary Contact	CA6-11N-F	1	piece
GJL1201318R0003	CA6-11M-F Auxiliary Contact	CA6-11M-F	1	piece
GJL1201318R0002	CA6-11E-F Auxiliary Contact	CA6-11E-F	1	piece

Categories

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

