

Detailed information for: B7-30-10-F-01

This page contains technical data sheet, documents library and links to offering related to this product. If you require any other information, please contact us using form located at the bottom of the page.

[Data Sheet](#)
[Documentation](#)

B7-30-10-F-01

General Information

Extended Product Type: B7-30-10-F-01

Product ID: GJL1311003R0101

EAN: 4013614157417

Catalog Description: B7-30-10-F-01 Mini Contactor 24V 40-450Hz

Long Description: The B7-30-10-F mini contactor is a compact 3 pole contactor with 1 auxiliary contact and 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 buldings, 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

+ Accessories

Ordering

Minimum Order Quantity: 1 piece

Customs Tariff Number: 85365080

Popular Downloads

Data Sheet, Technical Information: [1SBC100173C0201](#)

Dimension Diagram: [GJL1200437F0001](#)

Dimensions

Product Net Width: 52.5 mm

Product Net Height: 57.5 mm

Product Net Depth: 46.5 mm

Product Net Weight: 0.17 kg

Technical

Number of Poles:	4
Mini Contactor Type:	Mini Contactor
Rated Operational Voltage:	Auxiliary Circuit 12 ... 240 V DC Auxiliary Circuit 12 ... 500 V AC/DC 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}):	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):	(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:	1
Rated Operational Current AC-15 (I _e):	(120 V) 4 A (220 / 240 V) 4 A (24 V) 4 A (380 / 400 V) 3 A (500 V) 2 A
Rated Operational Current DC-13 (I _e):	(110 V) 0.7 A (220 / 240 V) 0.4 A (24 V) 2.5 A
Conventional Free-air Thermal Current (I _{th}):	Main Circuit 20 A
Rated Control Circuit Voltage (U _c):	24 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:	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 Main Circuit Terminals IP20

Mechanical Durability:	10000000 cycle
Minimum Switching Capacity:	17 V 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
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
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 2011/65/EU
Technical UL/CSA	
Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
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
Certificates and Declarations (Document Number)	
BV Certificate:	<u>1SAA920000-0204</u>
CB Certificate:	<u>1SAA938000-2002</u>
CCC Certificate:	<u>1SAA938001-3804</u>
cUL Certificate:	<u>cUL E191658</u>
Declaration of Conformity - CE:	<u>1SAD938512-0001</u>
DNV GL Certificate:	<u>1SAA938000-0306</u>
EAC Certificate:	<u>1SAA920000-2702</u>
Instructions and Manuals:	<u>2CDC102047M6801</u>
KC Certificate:	<u>1SAA938000-1501</u>

LR Certificate:	<u>1SAA938000-0504</u>
RMRS Certificate:	<u>1SAA938000-0704</u>
RoHS Information:	<u>1SAD938512-0001</u>

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:	1.77 kg
Package Level 1 EAN:	4013614416767

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