



Automatización Eléctrica

Especialistas en Automatización

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General Information

Extended Product Type:	BC7-40-00-F-2.4-51
Product ID:	GJL1313203R5001
EAN:	4013614269707
Catalog Description:	BC7-40-00-F-2.4-51 Mini Contactor 17-32VDC, 2.4W
Long Description:	The BC7-40-00-F mini contactor is a compact 4 pole contactor with flat pin connector. 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. Due to the low coil consumption, this device can be directly controlled by a PLC. 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:	4013614269707
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:	0.17 kg

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:	4013614418976

Technical

Number of Poles:	4
Mini Contactor Type:	Interface Mini Contactor
Rated Operational Voltage:	Main Circuit 12 ... 690 V AC/DC Main Circuit 690 V AC
Rated Frequency (f):	Control Circuit DC 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):	17 ... 32 V DC
Coil Operating Limits:	(acc. to IEC 60947-4-1) for DC supply U _c Min. ... U _c Max. (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 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
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
Standards:	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1
Remarks:	No CA6 or CAF6 mountable

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 2002/95/EC August 18, 2005 and amendment

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:	1SAA938000-0203
CB Certificate:	1SAA938000-2002
CCC Certificate:	1SAA938001-3804
cUL Certificate:	1SAA938003-1701
Declaration of Conformity - CE:	1SAD938509-0001
DNV Certificate:	1SAA938000-0305
EAC Certificate:	1SAA920000-2702
GL Certificate:	1SAA938000-0403
LR Certificate:	1SAA938000-0503
RMRS Certificate:	1SAA938000-0703
RoHS Information:	1SAA938003-4403
UL Certificate:	1SAA938000-1604

Classifications

Object Classification Code:	Q
eClass:	7.0 27371003
ETIM 4:	EC000066 - Magnet contactor, AC-switching
ETIM 5:	EC000066 - Magnet contactor, AC-switching





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Product	Code	Reference	Product link
BC7-40-00-F-2.4-51 Mini Contactor 17-32VDC, 2.4W	GJL1313203R5001	BC7-40-00- F-2.4-51	Buy on EAN