

VBC6-30-10-P-01



Products → Low Voltage Products and Systems → Control Products → Contactor Starters → Reversing Contactors

General Information

Extended Product Type:	VBC6-30-10-P-01
Product ID:	GJL1213909R0101
EAN:	4013614053818
Catalog Description:	VBC6-30-10-P-01 Mini Reversing Contactor
Long Description:	The VBC6-30-10-P mini reversing contactor is a compact 3 pole contactor with 1 auxiliary contact, soldering pins and normal mechanical interlock. They are ideally suited for applications where reliability is a must and space is at a premium. Mini reversing contactors are used in residential buildings, commercial buildings and industrial applications for the control of three-phase motor loads up to 4 kW (AC-3). Further features are the noiseless and hum-free coil, a switch position indication and the integrated possibility for rail mounting.

Additional Information

Ambient Air Temperature:	Operation -20 ... +55 °C Storage -40 ... +80 °C
CB Certificate:	1SAA938000-2002
CCC Certificate:	1SAA938001-3804
Co-ordination with Short-Circuit Protective Devices - Type 1:	400 V AC - gG Type Fuses 20 A
Co-ordination with Short-Circuit Protective Devices - Type 2:	400 V AC - gG Type Fuses 20 A
Coil Consumption:	Average Holding Value DC 3.5 W Average Pull-in Value DC 3.5 W
Coil Operating Limits:	(acc. to IEC 60947-4-1) for DC supply 0.85 ... 1.1 x U _c (at θ ≤ 55 °C)
Contactor Starter Type:	Compact Reversing Contactor with Normal Interlock
Conventional Free-air Thermal Current (I_{th}):	Main Circuit 12 A
Country of Origin:	Germany (DE)
Customs Tariff Number:	85365080
Data Sheet, Technical Information:	1SBC100173C0201
Declaration of Conformity - CE:	1SAD938512-0001
Degree of Protection:	Control Circuit Terminals IP20 Main Circuit Terminals IP20
Dimension Diagram:	GJL1200449F0001
EAC Certificate:	1SAA920000-2702
EAN:	4013614053818
EPLAN Catalog Tree:	Electrical engineering / Relays, contactors / General
EPLAN Function Definition:	Coil / Coil, 2 connection points / Coil for power contactor A1_A2 Coil / Coil, 2 connection points / Coil for power contactor A1_A2 NO contact / NO contact, 2 connection points / NO auxiliary contact 13_14 NO contact / NO contact, 2 connection points / NO auxiliary contact 13_14 NO contact / NO contact, 2 connection points / Power NO contact 1_2 NO contact / NO contact, 2 connection points / Power NO contact 1_2 NO contact / NO contact, 2 connection points / Power NO contact 3_4 NO contact / NO contact, 2 connection points / Power NO contact 3_4 NO contact / NO contact, 2 connection points / Power NO contact 5_6 NO contact / NO contact, 2 connection points / Power NO contact 5_6
ETIM 4:	EC000066 - Magnet contactor, AC-switching
ETIM 5:	EC000010 - Starter combination
ETIM 6:	EC000010 - Combination of contactors
Full Load Amps Motor Use:	(240 V AC) Single Phase 4.9 A

	(440 ... 480 V AC) Three Phase 4.8 A
General Use Rating UL/CSA:	(300 V AC) 8 A
Horsepower Rating UL/CSA:	(208 V AC) Three Phase 1 Hp (220 ... 240 V AC) Single Phase 0.5 Hp (220 ... 240 V AC) Three Phase 2 Hp (440 ... 480 V AC) Three Phase 3 Hp (550 ... 600 V AC) Three Phase 1 Hp
IIT Publishing Status:	Level 0 - Information enabled
Industrial IT Certification Level:	0
Instructions and Manuals:	2CDC102046M6801
Invoice Description:	VBC6-30-10-P-01 Mini Rev.Contacto 24VDC
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
Maximum Operating Altitude Permissible:	2000 m
Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Mechanical Durability:	10000000 cycle
Minimum Order Quantity:	1 piece
Mounting Position:	Any, Position 1-6
Mounting Type:	DIN-rail; PCB
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
Number of Auxiliary Contacts NC:	0
Number of Auxiliary Contacts NO:	1
Number of Main Contacts NC:	0
Number of Main Contacts NO:	3
Number of Poles:	4
Object Classification Code:	Q
Package Level 1 EAN:	4013614416095
Package Level 1 Gross Weight:	1.795 kg
Package Level 1 Height:	64 mm
Package Level 1 Length:	280 mm
Package Level 1 Units:	5 piece
Package Level 1 Width:	115 mm
Pollution Degree:	3
Power Loss:	at Rated Operating Conditions per Pole 2 W
Product Main Type:	VBC6
Product Name:	Mini Reversing Contactor
Product Net Depth:	51.5 mm
Product Net Height:	57.5 mm
Product Net Weight:	0.345 kg
Product Net Width:	96.5 mm
RMRS Certificate:	1SAA938000-0704
Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1:	8 x Ie / AC-3
Rated Control Circuit Voltage (U_c):	24 V DC
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
Rated Making Capacity AC-3 acc. to IEC 60947-4-1:	10 x I_e / AC-3
Rated Operational Current AC-1 (I_e):	(220 / 240 V) 40 °C 12 A (220 / 240 V) 55 °C 12 A (380 / 440 V) 40 °C 12 A (380 / 440 V) 55 °C 12 A (690 V) 40 °C 6 A (690 V) 55 °C 6 A
Rated Operational Current AC-3 (I_e):	(220 / 230 / 240 V) 55 °C 9 A (380 / 400 V) 55 °C 8.5 A (440 V) 55 °C 8 A (500 V) 55 °C 5.5 A (690 V) 55 °C 3.5 A
Rated Operational Power AC-3 (P_e):	4 kW (220 / 230 / 240 V) 2.2 kW (400 V) 4 kW (440 V) 4 kW (500 V) 4 kW (690 V) 3 kW
Rated Operational Voltage:	Main Circuit 690 V AC
Rated Short-time Withstand Current (I_{cw}):	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 64 A
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 Date:	0056
RoHS Information:	1SAD938512-0001
RoHS Status:	Following EU Directive 2011/65/EC
Selling Unit of Measure:	piece
Short Description:	VBC6-30-10-P-01 Mini Rev.Contactor
Standards:	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1
Terminal Type:	Soldering Pins
UNSPSC:	39121529
cUL Certificate:	cUL E191658
eClass:	7.0 27371009
KC Certificate:	1SAA938000-1501

