

PRODUCT-DETAILS

VB6-30-01-P-85

VB6-30-01-P-85 Mini Rev.Contactor 380-415V 40-450Hz



General Information

Extended Product Type	VB6-30-01-P-85
Product ID	GJL1211909R8015
EAN	4013614189470
Catalog Description	VB6-30-01-P-85 Mini Rev.Contactor 380-415V 40-450Hz
Long Description	The VB6-30-01-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 silent coil, a switch position indication and the integrated possibility for rail mounting.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

Popular Downloads

Data Sheet, Technical Information	1SBC100173C0201
Instructions and Manuals	2CDC102046M6801
Dimension Diagram	GJL1200449F0001

Dimensions

Product Net Width	96.5 mm
Product Net Height	57.5 mm
Product Net Depth / Length	51.5 mm
Product Net Weight	0.345 kg

Technical

Number of Poles	3
Rated Operational Voltage	Auxiliary Circuit 12 ... 240 V DC Auxiliary Circuit 12 ... 500 V AC 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})	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 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 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 Short-time Withstand Current (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 64 A
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	0
Conventional Free-air Thermal Current (I_{th})	Main Circuit 12 A
Rated Control Circuit Voltage (U_c)	380 ... 415 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) (acc. to IEC 60947-4-1) for DC supply 0.85 ... 1.1 x U_c (at $\theta \leq 55$ °C)
Degree of Protection	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 Main Circuit Terminals IP20
Pollution Degree	3

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
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

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V AC
Full Load Amps Motor Use	(240 V AC) Single Phase 4.9 A (440 ... 480 V AC) Three Phase 4.8 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
General Use Rating UL/CSA	(300 V AC) 8 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

Certificates and Declarations (Document Number)

BV Certificate	1SAA920000-0204
CB Certificate	1SAA938000-2002
CCC Certificate	1SAA938001-3805
cULus Certificate	cUL_E191658
Declaration of Conformity - CE	1SAD938516-0001
DNV GL Certificate	1SAA938000-0306
EAC Certificate	1SAA920000-2702
Instructions and Manuals	2CDC102046M6801

KC Certificate	1SAA938000-1501
LR Certificate	1SAA938000-0504
RMRS Certificate	1SAA938000-0704
RoHS Information	1SAD938514-0001

Container Information

Package Level 1 Units	5 piece
Package Level 1 Width	115 mm
Package Level 1 Height	64 mm
Package Level 1 Depth / Length	280 mm
Package Level 1 Gross Weight	1.795 kg
Package Level 1 EAN	4013614414060

Classifications

Object Classification Code	Q
ETIM 4	EC000066 - Magnet contactor, AC-switching
ETIM 5	EC000010 - Starter combination
ETIM 6	EC000010 - Combination of contactors
ETIM 7	EC000010 - Combination of contactors
eClass	7.0 27371009
UNSPSC	39121529

Categories

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

