



PRODUCT-DETAILS

VBC7A-30-10-07

VBC7A-30-10-07 Mini Reversing Contactor 12 V DC - 3 NO - 0 NC - Screw Terminals



概要信息	
产品型号	VBC7A-30-10-07
产品ID	GJL1313911R0107
欧洲商品编号(EAN)	4013614156205
目录说明	VBC7A-30-10-07 Mini Reversing Contactor 12 V DC - 3 NO - 0 NC - Screw Terminals
详细描述	The VBC7A-30-10 mini reversing contactor is a compact 3 pole contactor with 1 auxiliary contact, screw terminals and mechanical interlock and safety blocking. They are ideally suited for applications where reliability is a must and space is at a premium. Mini reversing contactors are used in residential buldings, commercial buildings and industrial applications for the control of three-phase motor loads up to 5.5 kW (AC-3). Further features are the noiseless and hum-free coil, a switch position indication and the integrated possibility for rail or wall mounting.

订货信息	
最小起订量	1 piece
海关关税号	85365080

Popular Downloads

数据手册，技术资料	1SBC100214C0202
说明书和手册	2CDC102046M6801
CAD Dimensional Drawing	2CDC001079B0201
尺寸图	GJL1200447F0001

尺寸

产品净宽	96.2 mm
产品净高	57.5 mm
产品净深	46.7 mm
产品净重	0.355 kg

技术参数

极数	3P
额定工作电压	Auxiliary Circuit 690 V AC Auxiliary Circuit 250 V DC Main Circuit 690 V AC Main Circuit 220 V DC
额定频率 (f)	Main Circuit 60 Hz Main Circuit 50 Hz Main Circuit DC
额定冲击耐受电压 (U _{imp})	Main Circuit 6 kV
额定绝缘电压 (U _i)	690 V acc. to UL/CSA 600 V
主触点NC数量	0
主触点NO数量	3
额定工作电流 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
额定工作功率 AC-3 (P _e)	(230 V) Three Phase 3 kW (400 V) Three Phase 5.5 kW (500 V) Three Phase 5.5 kW (690 V) Three Phase, NO 3 kW
额定不间断电流 (I _{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 96 A
辅助触点NC数量	0
辅助触点NO数量	1
额定发热电流（自由空气）(I _{th})	Main Circuit 20 A
额定控制电路电压 (U _c)	12 V DC
线圈操作极值	(acc. to IEC 60947-4-1) for DC supply 0.85 ... 1.1 x U _c (at θ ≤ 55 °C)
防护等级	Main Circuit Terminals IP20
污染等级	3
机械寿命	10000000 cycle
最小切换容量	Auxiliary Circuit 17 V Auxiliary Circuit 5 mA
最高电气切换频率	(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
主电路连接容量	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ²

	Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
辅助电路连接容量	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
控制电路连接容量	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
剥线长度	Auxiliary Circuit 9 mm Main Circuit 9 mm
拧紧力矩	Control Circuit 0.8 ... 1.1 N·m Main Circuit 0.8 ... 1.1 N·m
推荐的螺丝刀	M3 Pozidriv 1
安装到DIN导轨上	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
功率损耗	at Rated Operating Conditions AC-1 per Pole 1.4 W
标准	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1 IEC 60335-2-40 A2L

UL/CSA适用的技术参数

最高工作电压UL/CSA	Main Circuit 600 V AC
满载电流电机使用	(115 V AC) Single Phase 13.8 A (200 V AC) Three Phase 7.8 A (220 ... 240 V AC) Three Phase 9.6 A (230 V AC) Single Phase 10 A (440 ... 480 V AC) Three Phase 7.6 A (550 ... 600 V AC) Three Phase 6.1 A
额定功率UL/CSA	(115 V AC) Single Phase 0.75 Hp (200 V AC) Three Phase 2 Hp (220 ... 240 V AC) Three Phase 3 Hp (230 V AC) Single Phase 1.5 Hp (440 ... 480 V AC) Three Phase 5 Hp (550 ... 600 V AC) Three Phase 5 Hp
通用等级UL/CSA	(600 V AC) 16 A
接触等级UL/CSA	A600
主电路连接容量 UL/CSA	Stranded 1/2x 22-10 AWG
辅助电路连接容量 UL/CSA	Stranded 1/2x 22-10 AWG
拧紧力矩UL/CSA	Auxiliary Circuit 7 in·lb Control Circuit 7 in·lb Main Circuit 7 in·lb

环境条件

周围环境温度	Operation -20 ... +55 °C Storage -40 ... +80 °C
允许的最高工作海拔	2000 m
抗机械冲击符合IEC 60068-2-27标准	11 ms Pulse 15g
耐振动符合IEC 60068-2-6 标准	5g 5 ... 150 Hz

Material Compliance	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS信息	2CMT2021-006277
RoHS状态	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Business
WEEE 类别	5. Small Equipment (No External Dimension More Than 50 cm)

ABB EcoSolutions	
产品环境声明 - EPD	1SAC200410H0001
产品寿命终止后的拆解指南	1SBC100156C0269

认证及声明（文件编码）	
A2L Certificate – IEC	1SAA938000-4601
CB认证	1SAA938000-2002
CQC认证	CQC2003010304064033
Declaration of Conformity - CCC	2020980304001854
符合性声明 - CE	1SAD101100-3101
Declaration of Conformity - UKCA	1SAD201100-3101
DNV GL Certificate	1SAA938000-0306
EAC认证	1SAA920000-2702
KC认证	1SAA938000-1501
RMRS认证	1SAA938000-0704
UL认证	E191658-19881208

包装信息	
1级包装单元	box 5 piece
1级包装宽度	115 mm
1级包装高度	54 mm
1级包装长度	280 mm
1级包装 总重	1.845 kg
1级包装 EAN	4013614419737

分类	
对象分类代码	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
ETIM 8	EC000010 - Combination of contactors
e级	V11.0 : 27371009
UNSPSC	39121529

分类

低压产品及系统 → 控制产品 → 接触器 → 微型接触器

