



PRODUCT-DETAILS

ESB25-31N-01

ESB25-31N-01 Installation Contactor (NC) 25 A - 3 NO - 1 NC - 24 V - Control Circuit 400 Hz



概要信息	
产品型号	ESB25-31N-01
产品ID	1SAE231111R0131
欧洲商品编号(EAN)	4013614517662
目录说明	ESB25-31N-01 Installation Contactor (NC) 25 A - 3 NO - 1 NC - 24 V - Control Circuit 400 Hz
详细描述	The ESB25..N installation contactors are used to control single and three-phase loads up to 25 A and can be operated by AC or DC. These contactors are made for use in household applications as well as in industrial environments. The following benefits are provided: Hum-free operation, low power consumption and integrated overvoltage protection. Various contact combinations and accessories are available.

订货信息	
1级包装 EAN	4013614523960
最小起订量	1 piece
海关关税号	85365080

Popular Downloads	
数据手册，技术资料	2CDC103051C0201
说明书和手册	2CDC103043M6801
CAD Dimensional Drawing	2CDC001079B0201

尺寸	
产品净宽	36 mm
产品净高	85 mm
产品净深	65 mm
产品净重	0.245 kg

技术参数	
额定工作电压	Main Circuit 220 V DC Main Circuit 400 V AC
额定控制电路电压 (U _c)	24 V
额定频率 (f)	Control Circuit 400 Hz Control Circuit 50 Hz Control Circuit 60 Hz Control Circuit DC Main Circuit 50 Hz Main Circuit 60 Hz Main Circuit DC
额定工作电流 AC-1 (I _e)	(NC) 25 A (NO) 25 A
额定工作电流 AC-3 (I _e)	(230 V) Single Phase, NC 6 A (230 V) Single Phase, NO 9 A (400 V) Three Phase, NO 9 A
额定工作功率 AC-1 (P _e)	(230 V) Single Phase, NC 5.8 kW (230 V) Single Phase, NO 5.8 kW (400 V) Three Phase, NO 17.3 kW
额定工作功率 AC-3 (P _e)	(230 V) Single Phase, NC 1.3 kW (230 V) Single Phase, NO 1.3 kW (400 V) Three Phase, NO 4 kW
额定工作电流 AC-7a (I _e)	(NC) 25 A (NO) 25 A
额定工作功率 AC-7a (P _e)	(230 V) Single Phase, NC 5.8 kW (230 V) Single Phase, NO 5.8 kW (400 V) Three Phase, NO 17.3 kW
额定工作电流 AC-7b (I _e)	(230 V) Single Phase, NC 6 A (230 V) Single Phase, NO 9 A (400 V) Three Phase, NO 9 A
额定工作功率 AC-7b (P _e)	(230 V) Single Phase, NC 0.9 kW (230 V) Single Phase, NO 1.3 kW (400 V) Three Phase, NO 4 kW
推荐的螺丝刀	Control Circuit Pozidriv 1 Main Circuit Pozidriv 1
额定冲击耐受电压 (U _{imp})	6 kV
额定绝缘电压 (U _i)	500 V
主电路连接容量	Flexible with Ferrule 1x 1.5 ... 10 mm ² Flexible with Ferrule 2x 1.5 ... 2.5 mm ² Flexible with Insulated Ferrule 1x 1.5 ... 10 mm ² Flexible with Insulated Ferrule 2x 1.5 mm ² Flexible 1x 1.5 ... 10 mm ² Flexible 2x 1.5 ... 4 mm ² Rigid 1x 1.5 ... 10 mm ² Rigid 2x 1.5 ... 4 mm ²

控制电路连接容量	Flexible with Ferrule 1x 1 ... 2.5 mm
	Flexible with Ferrule 2x 0.75 ... 1 mm
	Flexible with Insulated Ferrule 1x 1 ... 2.5 mm
	Flexible with Insulated Ferrule 2x 0.75 ... 1 mm
	Flexible 1x 1 ... 4.0 mm
	Flexible 2x 1 ... 2.5 mm
拧紧力矩	Rigid 1x 1 ... 4 mm
	Rigid 2x 1 ... 2.5 mm
	Control Circuit 0.9 N·m Main Circuit 1 N·m
剥线长度	Control Circuit 7 mm Main Circuit 10 mm
防护等级	IP20
电气寿命	AC-1 (NC) 50000 cycle AC-1 (NO) 130000 cycle AC-3 (NC) 340000 cycle AC-3 (NO) 500000 cycle AC-7a (NC) 50000 cycle AC-7a (NO) 130000 cycle AC-7b (NC) 340000 cycle AC-7b (NO) 500000 cycle
机械寿命	1000000 cycle
极数	4
辅助触点NC数量	0
辅助触点NO数量	0
主触点NC数量	1
主触点NO数量	3
宽度(模块化垫片数)	2.0
污染等级	3
标准	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 61095 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 480 V AC
额定功率UL/CSA	(220 ... 240 V AC) Single Phase, NC 1 Hp (220 ... 240 V AC) Single Phase, NO 1 Hp (220 ... 240 V AC) Three Phase, NO 3 Hp (440 ... 480 V AC) Single Phase, NC 2 Hp (440 ... 480 V AC) Single Phase, NO 2 Hp (440 ... 480 V AC) Three Phase, NO 5 Hp
主电路连接容量 UL/CSA	Solid 16-8 AWG Stranded 16-8 AWG
控制电路连接容量 UL/CSA	Solid 16-10 AWG Stranded 16-10 AWG
拧紧力矩UL/CSA	Control Circuit 8 in·lb Main Circuit 9 in·lb

环境条件

周围环境温度	Operation -25 ... +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
RoHS状态	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Material Compliance	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS信息	2CMT2021-006277
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Consumer
WEEE 类别	5. Small Equipment (No External Dimension More Than 50 cm)

ABB EcoSolutions	
产品寿命终止后的拆解指南	1SBC100156C0265

认证及声明（文件编码）	
A2L Certificate – IEC	1SAA920000-4601
ABS认证	1SAA920000-0101
CB认证	1SAA920004-2001
CQC认证	CQC2017010304993564 CQC2017010304993565
Declaration of Conformity - CCC	2020980304001312 2020980304001314
符合性声明 - CE	1SAD101100-3301
Declaration of Conformity - UKCA	1SAD201100-3301
DNV认证	1SAA920000-0306
EAC认证	1SAA920001-2702
RINA认证	1SAA920000-0801
RMRS认证	1SAA920000-0705
UL认证	E191658-19960301

包装信息	
1级包装单元	box 1 piece
1级包装宽度	92 mm
1级包装高度	69.5 mm
1级包装长度	39 mm
1级包装 总重	0.245 kg
2级包装单元	48 piece
2级包装宽度	280 mm
2级包装高度	210 mm
2级包装长度	395 mm
2级包装 总重	12.3 kg
2级包装 EAN	4013614538360

分类	
对象分类代码	Q
ETIM 5	EC001653 - Installation contactor for distribution board

ETIM 6	EC001653 - Installation contactor for distribution board
ETIM 7	EC001653 - Installation contactor for distribution board
e级	V11.0 : 27142308
UNSPSC	39121529
IDEA 粒度分类代码 (IGCC)	4759 >> Installation contactor for distribution board
E-Number (Finland)	3707576
E-Number (Norway)	4190265
E-Number (Sweden)	3210566
ETIM 8	EC001653 - Installation contactor for distribution board

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
1SAE901901R1011	EH04-11N Auxiliary Contact - 0 NO - 0 NC - Auxiliary Circuit 50 Hz	EH04-11N	1	piece
1SAE901901M1011	EH04-11N Auxiliary Contact - 0 NO - 0 NC - Auxiliary Circuit 50 Hz	EH04-11N	1	piece
1SAE901901R1020	EH04-20N Auxiliary Contact - 0 NO - 0 NC - Auxiliary Circuit 50 Hz	EH04-20N	1	piece
1SAE901901M1020	EH04-20N Auxiliary Contact - 0 NO - 0 NC - Auxiliary Circuit 50 Hz	EH04-20N	1	piece
GHE3201903R0001	ESB-PLK24 Sealing Cover	ESB-PLK24	1	piece
GHE3201902R0001	ESB-DIS Distance Piece	ESB-DIS	1	piece

分类

低压产品及系统 → 控制产品 → 接触器 → 建筑用接触器
低压产品及系统 → 线路保护产品 → Command and Signalling Devices → 建筑用接触器

