



PRODUCT-DETAILS

ESB25-40N-04

ESB25-40N-04 Installation Contactor (NO) 25 A - 4 NO - 0 NC - 110 ... 120 V - Control Circuit 400 Hz



| 概要信息        |                                                                                                                                              |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 产品型号        | ESB25-40N-04                                                                                                                                 |
| 产品ID        | 1SAE231111R0440                                                                                                                              |
| 欧洲商品编号(EAN) | 4013614517884                                                                                                                                |
| 目录说明        | ESB25-40N-04 Installation Contactor (NO) 25 A - 4 NO - 0 NC - 110 ... 120 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 | 4013614524189 |
| 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 | 0.24 kg |

| 技术参数                           |                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 额定工作电压                         | Main Circuit 220 V DC<br>Main Circuit 400 V AC                                                                                                                                                                                                                                                                                                                                                         |
| 额定控制电路电压 (U <sub>c</sub> )     | 110 ... 120 V                                                                                                                                                                                                                                                                                                                                                                                          |
| 额定频率 (f)                       | Control Circuit 400 Hz<br>Control Circuit 50 Hz<br>Control Circuit 60 Hz<br>Control Circuit DC<br>Main Circuit 50 Hz<br>Main Circuit 60 Hz<br>Main Circuit DC                                                                                                                                                                                                                                          |
| 额定工作电流 AC-1 (I <sub>e</sub> )  | (NO) 25 A                                                                                                                                                                                                                                                                                                                                                                                              |
| 额定工作电流 AC-3 (I <sub>e</sub> )  | (230 V) Single Phase, NO 9 A<br>(400 V) Three Phase, NO 9 A                                                                                                                                                                                                                                                                                                                                            |
| 额定工作功率 AC-1 (P <sub>e</sub> )  | (230 V) Single Phase, NO 5.8 kW<br>(400 V) Three Phase, NO 17.3 kW                                                                                                                                                                                                                                                                                                                                     |
| 额定工作功率 AC-3 (P <sub>e</sub> )  | (230 V) Single Phase, NO 1.3 kW<br>(400 V) Three Phase, NO 4 kW                                                                                                                                                                                                                                                                                                                                        |
| 额定工作电流 AC-7a (I <sub>e</sub> ) | (NO) 25 A                                                                                                                                                                                                                                                                                                                                                                                              |
| 额定工作功率 AC-7a (P <sub>e</sub> ) | (230 V) Single Phase, NO 5.8 kW<br>(400 V) Three Phase, NO 17.3 kW                                                                                                                                                                                                                                                                                                                                     |
| 额定工作电流 AC-7b (I <sub>e</sub> ) | (230 V) Single Phase, NO 9 A<br>(400 V) Three Phase, NO 9 A                                                                                                                                                                                                                                                                                                                                            |
| 额定工作功率 AC-7b (P <sub>e</sub> ) | (230 V) Single Phase, NO 1.3 kW<br>(400 V) Three Phase, NO 4 kW                                                                                                                                                                                                                                                                                                                                        |
| 推荐的螺丝刀                         | Control Circuit Pozidriv 1<br>Main Circuit Pozidriv 1                                                                                                                                                                                                                                                                                                                                                  |
| 额定冲击耐受电压 (U <sub>imp</sub> )   | 6 kV                                                                                                                                                                                                                                                                                                                                                                                                   |
| 额定绝缘电压 (U <sub>i</sub> )       | 500 V                                                                                                                                                                                                                                                                                                                                                                                                  |
| 主电路连接容量                        | Flexible with Ferrule 1x 1.5 ... 10 mm <sup>2</sup><br>Flexible with Ferrule 2x 1.5 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1x 1.5 ... 10 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x 1.5 mm <sup>2</sup><br>Flexible 1x 1.5 ... 10 mm <sup>2</sup><br>Flexible 2x 1.5 ... 4 mm <sup>2</sup><br>Rigid 1x 1.5 ... 10 mm <sup>2</sup><br>Rigid 2x 1.5 ... 4 mm <sup>2</sup> |
| 控制电路连接容量                       | Flexible with Ferrule 1x 1 ... 2.5 mm <sup>2</sup><br>Flexible with Ferrule 2x 0.75 ... 1 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1x 1 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x 0.75 ... 1 mm <sup>2</sup><br>Flexible 1x 1 ... 4.0 mm <sup>2</sup><br>Flexible 2x 1 ... 2.5 mm <sup>2</sup><br>Rigid 1x 1 ... 4 mm <sup>2</sup><br>Rigid 2x 1 ... 2.5 mm <sup>2</sup> |

|            |                                                                                                        |
|------------|--------------------------------------------------------------------------------------------------------|
| 拧紧力矩       | Control Circuit 0.9 N-m<br>Main Circuit 1 N-m                                                          |
| 剥线长度       | Control Circuit 7 mm<br>Main Circuit 10 mm                                                             |
| 防护等级       | IP20                                                                                                   |
| 电气寿命       | AC-1 (NO) 130000 cycle<br>AC-3 (NO) 500000 cycle<br>AC-7a (NO) 130000 cycle<br>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    | 0                                                                                                      |
| 主触点NO数量    | 4                                                                                                      |
| 宽度(模块化垫片数) | 2.0                                                                                                    |
| 污染等级       | 3                                                                                                      |
| 标准         | IEC/EN 60947-1<br>IEC/EN 60947-4-1<br>IEC/EN 61095<br>UL 60947-1<br>UL 60947-4-1<br>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, NO 1 Hp<br>(220 ... 240 V AC) Three Phase, NO 3 Hp<br>(440 ... 480 V AC) Single Phase, NO 2 Hp<br>(440 ... 480 V AC) Three Phase, NO 5 Hp |
| 主电路连接容量 UL/CSA     | Solid 16-8 AWG<br>Stranded 16-8 AWG                                                                                                                                        |
| 控制电路连接容量<br>UL/CSA | Solid 16-10 AWG<br>Stranded 16-10 AWG                                                                                                                                      |
| 拧紧力矩UL/CSA         | Control Circuit 8 in-lb<br>Main Circuit 9 in-lb                                                                                                                            |

环境条件

|                            |                                                                        |
|----------------------------|------------------------------------------------------------------------|
| 周围环境温度                     | Operation -25 ... +55 °C<br>Storage -40 ... +80 °C                     |
| 允许的最高工作海拔                  | 2000 m                                                                 |
| 抗机械冲击符合IEC<br>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<br>Reporting Template<br>(CMRT) | 9AKK108467A5658      |
| REACH Declaration                                 | 2CMT2021-006202      |
| RoHS信息                                            | 2CMT2021-006277      |
| Toxic Substances<br>Control Act - TSCA            | 2CMT2023-006525      |
| WEEE B2C / B2B                                    | Business To Consumer |

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<br>CQC2017010304993565 |
| Declaration of<br>Conformity - CCC  | 2020980304001312<br>2020980304001314       |
| 符合性声明 - CE                          | 1SAD101100-3301                            |
| Declaration of<br>Conformity - UKCA | 1SAD201100-3301                            |
| DNV认证                               | 1SAA920000-0306                            |
| EAC认证                               | 1SAA920001-2702                            |
| NF认证                                | 1SAA920001-1202                            |
| 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  | 0.24 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 kg         |
| 2级包装 EAN | 4013614538582 |

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 (Norway)  | 4190248                                                  |
| 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

