



PRODUCT-DETAILS

ESB25-13N-06

ESB25-13N-06 Installation Contactor (NC) 25 A - 1 NO - 3 NC - 230 ... 240 V - Control Circuit 400 Hz



General Information

| | |
|-----------------------|---|
| Extended Product Type | ESB25-13N-06 |
| Product ID | 1SAE231111R0613 |
| EAN | 4013614517907 |
| Catalog Description | ESB25-13N-06 Installation Contactor (NC) 25 A - 1 NO - 3 NC - 230 ... 240 V - Control Circuit 400 Hz |
| Long Description | <p>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.</p> <p>These contactors are made for use in household applications as well as in industrial environments.</p> <p>The following benefits are provided:</p> <p>Hum-free operation, low power consumption and integrated overvoltage protection.</p> <p>Various contact combinations and accessories are available.</p> |

Ordering

| | |
|------------------------|---------------|
| Package Level 1 EAN | 4013614524202 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85365080 |

Popular Downloads

| | |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CDC103051C0201 |
| Instructions and Manuals | 2CDC103043M6801 |
| CAD Dimensional Drawing | 2CDC001079B0201 |

Dimensions

| | |
|----------------------------|----------|
| Product Net Width | 36 mm |
| Product Net Height | 85 mm |
| Product Net Depth / Length | 65 mm |
| Product Net Weight | 0.235 kg |

Technical

| | |
|---|--|
| Rated Operational Voltage | Main Circuit 220 V DC Main Circuit 400 V AC |
| Rated Control Circuit Voltage (U_c) | 230 ... 240 V |
| Rated Frequency (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 |
| Rated Operational Current AC-1 (I_e) | (NC) 25 A (NO) 25 A |
| Rated Operational Current AC-3 (I_e) | (230 V) Single Phase, NC 6 A (230 V) Single Phase, NO 9 A (400 V) Three Phase, NC 6 A |
| Rated Operational Power AC-1 (P_e) | (230 V) Single Phase, NC 5.8 kW (400 V) Three Phase, NC 17.3 kW (230 V) Single Phase, NO 5.8 kW |
| Rated Operational Power AC-3 (P_e) | (230 V) Single Phase, NC 0.9 kW (230 V) Single Phase, NO 1.3 kW (400 V) Three Phase, NC 2.7 kW |
| Rated Operational Current AC-7a (I_e) | (NC) 25 A (NO) 25 A |
| Rated Operational Power AC-7a (P_e) | (230 V) Single Phase, NC 5.8 kW (230 V) Single Phase, NO 5.8 kW (400 V) Three Phase, NC 17.25 kW |
| Rated Operational Current AC-7b (I_e) | (230 V) Single Phase, NC 6 A (230 V) Single Phase, NO 9 A (400 V) Three Phase, NC 6 A |
| Rated Operational Power AC-7b (P_e) | (230 V) Single Phase, NC 0.9 kW (230 V) Single Phase, NO 1.3 kW (400 V) Three Phase, NC 2.7 kW |
| Recommended Screw Driver | Control Circuit Pozidriv 1 Main Circuit Pozidriv 1 |
| Rated Impulse Withstand Voltage (U_{imp}) | 6 kV |
| Rated Insulation Voltage (U_i) | 500 V |
| Connecting Capacity Main Circuit | 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 |
| Connecting Capacity Control Circuit | Flexible with Ferrule 1x 1 ... 2.5 mm ² Flexible with Ferrule 2x 0.75 ... 1 mm ² Flexible with Insulated Ferrule 1x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1 mm ² |

| | |
|--|--|
| | Flexible 1x 1 ... 4.0 mm² Flexible 2x 1 ... 2.5 mm² Rigid 1x 1 ... 4 mm² Rigid 2x 1 ... 2.5 mm² |
| Tightening Torque | Control Circuit 0.9 N·m Main Circuit 1 N·m |
| Wire Stripping Length | Control Circuit 7 mm Main Circuit 10 mm |
| Degree of Protection | IP20 |
| Electrical Durability | 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 |
| Mechanical Durability | 1000000 cycle |
| Number of Poles | 4 |
| Number of Auxiliary Contacts NC | 0 |
| Number of Auxiliary Contacts NO | 0 |
| Number of Main Contacts NC | 3 |
| Number of Main Contacts NO | 1 |
| Width in Number of Modular Spacings | 2 |
| Pollution Degree | 3 |
| Standards | IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 61095 UL 60947-1 UL 60947-4-1 |

Technical UL/CSA

| | |
|---|--|
| Maximum Operating Voltage UL/CSA | Main Circuit 480 V AC |
| Horsepower Rating 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, NC 3 Hp (440 ... 480 V AC) Single Phase, NC 0.5 Hp (440 ... 480 V AC) Single Phase, NO 2 Hp (440 ... 480 V AC) Three Phase, NC 2 Hp |
| Connecting Capacity Main Circuit UL/CSA | Solid 16-8 AWG Stranded 16-8 AWG |
| Connecting Capacity Control Circuit UL/CSA | Solid 16-10 AWG Stranded 16-10 AWG |
| Tightening Torque UL/CSA | Control Circuit 8 in·lb Main Circuit 9 in·lb |

Environmental

| | |
|---|--|
| Ambient Air Temperature | Operation -25 ... +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 |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

Material Compliance

| | |
|-------------------|-----------------|
| Conflict Minerals | 9AKK108467A5658 |
|-------------------|-----------------|

| | | |
|-------------------------------------|--|----------------------|
| Reporting Template (CMRT) | | |
| REACH Declaration | | 2CMT2021-006202 |
| RoHS Information | | 2CMT2021-006277 |
| RoHS Status | 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 Consumer |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) | |

Certificates and Declarations

| | |
|----------------------------------|--|
| ABS Certificate | 1SAA920000-0101 |
| CB Certificate | 1SAA920004-2001 |
| CQC Certificate | CQC2017010304993564 CQC2017010304993565 |
| Declaration of Conformity - CCC | 2020980304001312 2020980304001314 |
| Declaration of Conformity - CE | 1SAD101100-3301 |
| Declaration of Conformity - UKCA | 1SAD201100-3301 |
| DNV Certificate | 1SAA920000-0306 |
| EAC Certificate | 1SAA920001-2702 |
| RINA Certificate | 1SAA920000-0801 |
| RMRS Certificate | 1SAA920000-0705 |
| UL Certificate | E191658-19960301 |

Container Information

| | |
|--------------------------------|---------------|
| Package Level 1 Units | 1 piece |
| Package Level 1 Width | 92 mm |
| Package Level 1 Height | 69.5 mm |
| Package Level 1 Depth / Length | 39 mm |
| Package Level 1 Gross Weight | 0.235 kg |
| Package Level 1 EAN | 4013614524202 |
| Package Level 2 Units | 48 piece |
| Package Level 2 Width | 280 mm |
| Package Level 2 Height | 210 mm |
| Package Level 2 Depth / Length | 395 mm |
| Package Level 2 Gross Weight | 11.8 kg |
| Package Level 2 EAN | 4013614538605 |

Classifications

| | |
|------------------------------------|--|
| Object Classification Code | 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 |
| eClass | V11.0 : 27142308 |
| UNSPSC | 39121529 |
| IDEA Granular Category Code (IGCC) | 4759 >> Installation contactor for distribution board |
| E-Number (Finland) | 3707579 |
| 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 |

Categories

Low Voltage Products and Systems → Control Products → Contactors → Installation Contactors
Low Voltage Products and Systems → Modular DIN Rail Products → Command and Signalling Devices → Installation Contactors

