



PRODUCT-DETAILS

ESB40-40N-14

ESB40-40N-14 Installation Contactor (NO) 40 A - 4 NO - 0 NC - 12 V - Control Circuit 400 Hz



| General Information | |
|-----------------------|--|
| Extended Product Type | ESB40-40N-14 |
| Product ID | 1SAE341111R1440 |
| EAN | 4013614518591 |
| Catalog Description | ESB40-40N-14 Installation Contactor (NO) 40 A - 4 NO - 0 NC - 12 V - Control Circuit 400 Hz |
| Long Description | The ESB40..N installation contactors are used to control single and three-phase loads up to 40 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. |

| Ordering | |
|------------------------|---------------|
| Package Level 1 EAN | 4013614524905 |
| 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 | 54 mm |
| Product Net Height | 85 mm |
| Product Net Depth / Length | 65 mm |
| Product Net Weight | 0.405 kg |

| Technical | |
|---|--|
| Rated Operational Voltage | Main Circuit 220 V DC Main Circuit 400 V AC |
| Rated Control Circuit Voltage (U _c) | 12 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) | (NO) 40 A |
| Rated Operational Current AC-3 (I _e) | (230 V) Single Phase, NO 22 A (400 V) Three Phase, NO 22 A |
| Rated Operational Power AC-1 (P _e) | (230 V) Single Phase, NO 9.2 kW (400 V) Three Phase, NO 27.7 kW |
| Rated Operational Power AC-3 (P _e) | (230 V) Single Phase, NO 3.7 kW (400 V) Three Phase, NO 11 kW |
| Rated Operational Current AC-7a (I _e) | (NO) 40 A |
| Rated Operational Power AC-7a (P _e) | (230 V) Single Phase, NO 9.2 kW (400 V) Three Phase, NO 27.7 kW |
| Rated Operational Current AC-7b (I _e) | (230 V) Single Phase, NO 22 A (400 V) Three Phase, NO 22 A |
| Rated Operational Power AC-7b (P _e) | (230 V) Single Phase, NO 3.7 kW (400 V) Three Phase, NO 11 kW |
| Recommended Screw Driver | Control Circuit Pozidriv 1 Main Circuit Pozidriv 2 |
| 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 ... 16 mm ² Flexible with Ferrule 2x 1.5 ... 10 mm ² Flexible with Insulated Ferrule 1x 1.5 ... 16 mm ² Flexible with Insulated Ferrule 2x 1.5 ... 10 mm ² Flexible 1x 1.5 ... 16 mm ² Flexible 2x 1.5 ... 10 mm ² Rigid 1x 1.5 ... 25 mm ² Rigid 2x 1.5 ... 10 mm ² |

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| Connecting Capacity | Flexible with Ferrule 1x 0.75 ... 2.5 mm ² |
| Control Circuit | Flexible with Ferrule 2x 0.75 ... 1.5 mm ² |
| | Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² |
| | Flexible with Insulated Ferrule 2x 0.75 ... 1 mm ² |
| | Flexible 1x 1 ... 4.0 mm ² |
| | Flexible 2x 1 ... 2.5 mm ² |
| | Rigid 1x 1 ... 4 mm ² |
| | Rigid 2x 1 ... 2.5 mm ² |
| Tightening Torque | Control Circuit 0.9 N·m |
| | Main Circuit 2.5 N·m |
| Wire Stripping Length | Control Circuit 7 mm |
| | Main Circuit 13 mm |
| Degree of Protection | IP20 |
| Electrical Durability | AC-1 (NO) 150000 cycle |
| | AC-3 (NO) 100000 cycle |
| | AC-7a (NO) 150000 cycle |
| | AC-7b (NO) 100000 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 | 0 |
| Number of Main Contacts NO | 4 |
| Width in Number of Modular Spacings | 3 |
| 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

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| Maximum Operating Voltage UL/CSA | Main Circuit 480 V AC |
| Horsepower Rating UL/CSA | (220 ... 240 V AC) Single Phase, NO 3 Hp |
| | (220 ... 240 V AC) Three Phase, NO 7.5 Hp |
| | (440 ... 480 V AC) Single Phase, NO 7.5 Hp |
| | (440 ... 480 V AC) Three Phase, NO 15 Hp |
| Connecting Capacity Main Circuit UL/CSA | Solid 16-4 AWG |
| | Stranded 16-4 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 20 in·lb |

Environmental

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|---|--|
| 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 Reporting Template (CMRT) | | 9AKK108467A5658 |
| 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 | | 1SAA920005-2001 |
| CQC Certificate | | CQC2017010304993562 CQC2017010304993563 |
| Declaration of Conformity - CCC | | 2020980304001310 2020980304001313 |
| Declaration of Conformity - CE | | 1SAD101100-3301 |
| Declaration of Conformity - UKCA | | 1SAD201100-3301 |
| DNV Certificate | | 1SAA920000-0306 |
| EAC Certificate | | 1SAA920001-2702 |
| NF Certificate | | 1SAA920001-1202 |
| 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 | | 57 mm |
| Package Level 1 Gross Weight | | 0.405 kg |
| Package Level 1 EAN | | 4013614524905 |
| Package Level 2 Units | | 32 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 | | 12.96 kg |
| Package Level 2 EAN | | 4013614539299 |

| Classifications | | |
|----------------------------|--|---|
| Object Classification Code | | Q |

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| 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 |
| 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 |
| GHE3401903R0001 | ESB-PLK40/63 Sealing Cover | ESB-PLK40/63 | 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

