



PRODUCT-DETAILS

# EN40-40N-06

## EN40-40N-06 Installation Contactor (NO) 40 A - 4 NO - 0 NC - 230 V - Control Circuit 400 Hz



| General Information    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type  | EN40-40N-06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Product ID             | 1SAE342111R0640                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| EAN                    | 4013614518836                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Catalog Description    | EN40-40N-06 Installation Contactor (NO) 40 A - 4 NO - 0 NC - 230 V - Control Circuit 400 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Long Description       | <p>The EN40..N installation contactors are used to control single and three-phase loads up to 40 A and can be operated by AC or DC and/or manually. 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, integrated overvoltage protection and manual override.</p> <p>Various contact combinations and accessories are available.</p> <p>Manual operation is available in 3 states: "On", "Off", "Auto"</p> |
| Ordering               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Package Level 1 EAN    | 4013614525148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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         | 0.41 kg |

| Technical                                     |                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Operational Voltage                     | Main Circuit 220 V DC<br>Main Circuit 400 V AC                                                                                                                                                                                                                                                                                                                                                                 |
| Rated Control Circuit Voltage ( $U_c$ )       | 230 V                                                                                                                                                                                                                                                                                                                                                                                                          |
| Rated Frequency (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                                                                                                                                                                                                                                                  |
| Rated Operational Current AC-1 ( $I_e$ )      | (NO) 40 A                                                                                                                                                                                                                                                                                                                                                                                                      |
| Rated Operational Current AC-3 ( $I_e$ )      | (230 V) Single Phase, NO 22 A<br>(400 V) Three Phase, NO 22 A                                                                                                                                                                                                                                                                                                                                                  |
| Rated Operational Power AC-1 ( $P_e$ )        | (230 V) Single Phase, NO 9.2 kW<br>(400 V) Three Phase, NO 27.7 kW                                                                                                                                                                                                                                                                                                                                             |
| Rated Operational Power AC-3 ( $P_e$ )        | (230 V) Single Phase, NO 3.7 kW<br>(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<br>(400 V) Three Phase, NO 27.7 kW                                                                                                                                                                                                                                                                                                                                             |
| Rated Operational Current AC-7b ( $I_e$ )     | (230 V) Single Phase, NO 22 A<br>(400 V) Three Phase, NO 22 A                                                                                                                                                                                                                                                                                                                                                  |
| Rated Operational Power AC-7b ( $P_e$ )       | (230 V) Single Phase, NO 3.7 kW<br>(400 V) Three Phase, NO 11 kW                                                                                                                                                                                                                                                                                                                                               |
| Recommended Screw Driver                      | Control Circuit Pozidriv 1<br>Main Circuit Pozidriv 2                                                                                                                                                                                                                                                                                                                                                          |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ) | 4 kV                                                                                                                                                                                                                                                                                                                                                                                                           |
| Rated Insulation Voltage ( $U_i$ )            | 500 V                                                                                                                                                                                                                                                                                                                                                                                                          |
| Connecting Capacity Main Circuit              | Flexible with Ferrule 1x 1.5 ... 16 mm <sup>2</sup><br>Flexible with Ferrule 2x 1.5 ... 10 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1x 1.5 ... 16 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x 1.5 ... 10 mm <sup>2</sup><br>Flexible 1x 1.5 ... 16 mm <sup>2</sup><br>Flexible 2x 1.5 ... 10 mm <sup>2</sup><br>Rigid 1x 1.5 ... 25 mm <sup>2</sup><br>Rigid 2x 1.5 ... 10 mm <sup>2</sup> |
| Connecting Capacity Control Circuit           | Flexible with Ferrule 1x 1 ... 2.5 mm <sup>2</sup><br>Flexible with Ferrule 2x 0.75 ... 1.5 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 ... 2.5 mm <sup>2</sup><br>Flexible 2x 1 ... 1.5 mm <sup>2</sup>                                                                                 |

|                                        |                                                                                                        |
|----------------------------------------|--------------------------------------------------------------------------------------------------------|
|                                        | Rigid 1x 1 ... 4 mm <sup>2</sup><br>Rigid 2x 1 ... 2.5 mm <sup>2</sup>                                 |
| Tightening Torque                      | Control Circuit 0.9 N·m<br>Main Circuit 2.5 N·m                                                        |
| Wire Stripping Length                  | Control Circuit 7 mm<br>Main Circuit 13 mm                                                             |
| Degree of Protection                   | IP20                                                                                                   |
| Electrical Durability                  | AC-1 (NO) 150000 cycle<br>AC-3 (NO) 100000 cycle<br>AC-7a (NO) 150000 cycle<br>AC-7b (NO) 100000 cycle |
| Mechanical Durability                  | 1000000 cycle                                                                                          |
| Number of Poles                        | 4                                                                                                      |
| Number of Auxiliary<br>Contacts NC     | 0                                                                                                      |
| Number of Auxiliary<br>Contacts NO     | 0                                                                                                      |
| Number of Main Contacts<br>NC          | 0                                                                                                      |
| Number of Main Contacts<br>NO          | 4                                                                                                      |
| Width in Number of<br>Modular Spacings | 3                                                                                                      |
| Pollution Degree                       | 3                                                                                                      |
| Standards                              | IEC/EN 60947-1<br>IEC/EN 60947-4-1<br>IEC/EN 61095<br>UL 60947-1<br>UL 60947-4-1                       |

## Environmental

|                                               |                                                                        |
|-----------------------------------------------|------------------------------------------------------------------------|
| Ambient Air Temperature                       | Operation -25 ... +55 °C<br>Storage -40 ... +80 °C                     |
| Maximum Operating<br>Altitude Permissible     | 2000 m                                                                 |
| Resistance to Shock acc.<br>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<br>Reporting Template<br>(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<br>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

|                                     |                     |
|-------------------------------------|---------------------|
| CB Certificate                      | 1SAA920005-2001     |
| CQC Certificate                     | CQC2017010304993562 |
| Declaration of Conformity<br>- CCC  | 2020980304001310    |
| Declaration of Conformity<br>- CE   | 1SAD101100-3301     |
| Declaration of Conformity<br>- UKCA | 1SAD201100-3301     |

|                  |                 |
|------------------|-----------------|
| EAC Certificate  | 1SAA920001-2702 |
| NF Certificate   | 1SAA920001-1202 |
| RMRS Certificate | 1SAA920000-0705 |

Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 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   | 0.41 kg       |
| Package Level 1 EAN            | 4013614525148 |
| 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   | 13.5 kg       |
| Package Level 2 EAN            | 4013614539541 |

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)                 | 3707811                                                  |
| 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           |

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## Categories

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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

