

## PRODUCT-DETAILS

# EN40-40N-04

## EN40-40N-04 Installation Contactor



### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | EN40-40N-04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Product ID            | 1SAE342111M0440                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Catalog Description   | EN40-40N-04 Installation Contactor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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    | 4013614520501 |
| Minimum Order Quantity | 4 piece       |
| Customs Tariff Number  | 85365080      |

### Popular Downloads

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 2CDC103043M6801 |
|--------------------------|-----------------|

## 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 <sub>c</sub> )     | 110 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 <sub>e</sub> )    | (NO) 40 A                                                                                                                                                                                                                                                                                                                                                                                                      |
| Rated Operational Current AC-3 (I <sub>e</sub> )    | (230 V) Single Phase, NO 22 A<br>(400 V) Three Phase, NO 22 A                                                                                                                                                                                                                                                                                                                                                  |
| Rated Operational Power AC-1 (P <sub>e</sub> )      | (230 V) Single Phase, NO 9.2 kW<br>(400 V) Three Phase, NO 27.7 kW                                                                                                                                                                                                                                                                                                                                             |
| Rated Operational Power AC-3 (P <sub>e</sub> )      | (230 V) Single Phase, NO 3.7 kW<br>(400 V) Three Phase, NO 11 kW                                                                                                                                                                                                                                                                                                                                               |
| Rated Operational Current AC-7a (I <sub>e</sub> )   | (NO) 40 A                                                                                                                                                                                                                                                                                                                                                                                                      |
| Rated Operational Power AC-7a (P <sub>e</sub> )     | (230 V) Single Phase, NO 9.2 kW<br>(400 V) Three Phase, NO 27.7 kW                                                                                                                                                                                                                                                                                                                                             |
| Rated Operational Current AC-7b (I <sub>e</sub> )   | (230 V) Single Phase, NO 22 A<br>(400 V) Three Phase, NO 22 A                                                                                                                                                                                                                                                                                                                                                  |
| Rated Operational Power AC-7b (P <sub>e</sub> )     | (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 <sub>imp</sub> ) | 4 kV                                                                                                                                                                                                                                                                                                                                                                                                           |
| Rated Insulation Voltage (U <sub>i</sub> )          | 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><br>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                                                                                                                                                                                                                                                                                                                                                                                         |

|                                        |                                                                                  |
|----------------------------------------|----------------------------------------------------------------------------------|
|                                        | AC-3 (NO) 150000 cycle                                                           |
|                                        | AC-7a (NO) 150000 cycle                                                          |
|                                        | AC-7b (NO) 150000 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<br>Contacts NC          | 0                                                                                |
| Number of Main<br>Contacts 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<br>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                  |

## Certificates and Declarations (Document Number)

|                                     |                     |
|-------------------------------------|---------------------|
| CB Certificate                      | 1SAA920005-2001     |
| CQC Certificate                     | CQC2017010304993562 |
| Declaration of<br>Conformity - CCC  | 2020980304001310    |
| Declaration of<br>Conformity - CE   | 1SAD938506-0302     |
| Declaration of<br>Conformity - UKCA | 1SAD938501-1302     |
| EAC Certificate                     | 1SAA920001-2702     |
| Environmental<br>Information        | 1SAC200064H0009     |
| Instructions and<br>Manuals         | 2CDC103043M6801     |
| NF Certificate                      | 1SAA920001-1202     |
| RMRS Certificate                    | 1SAA920000-0705     |
| RoHS Information                    | 1SAD938506-0302     |

## Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | 4 piece       |
| Package Level 1 Width             | 88 mm         |
| Package Level 1 Height            | 69.5 mm       |
| Package Level 1 Depth /<br>Length | 222 mm        |
| Package Level 1 Gross<br>Weight   | 1.64 kg       |
| Package Level 1 EAN               | 4013614520501 |

| 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    |   |

| 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 |

