

PRODUCT-DETAILS

# EN40-31N-01

## EN40-31N-01 Installation Contactors



### General Information

Extended Product Type	EN40-31N-01
Product ID	1SAE342111R0131
EAN	4013614518621
Catalog Description	EN40-31N-01 Installation Contactors
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: Hum-free operation, low power consumption, integrated overvoltage protection and manual override.</p> <p>Various contact combinations and accessories are available. Manual operation is available in 3 states: "On", "Off", "Auto"</p>

### Ordering

Package Level 1 EAN	4013614524936
Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

### Popular Downloads

Instructions and Manuals	2CDC103043M6801
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## 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 Main Circuit 400 V AC
Rated Control Circuit Voltage ( $U_c$ )	24 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) 30 A (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, NC 6.9 kW (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, NC 6.9 kW (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 ( $U_{imp}$ )	4 kV
Rated Insulation Voltage ( $U_i$ )	500 V
Connecting Capacity Main Circuit	Flexible with Ferrule 1x 1.5 ... 16 mm <sup>2</sup> Flexible with Ferrule 2x 1.5 ... 10 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 1.5 ... 16 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 1.5 ... 10 mm <sup>2</sup> Flexible 1x 1.5 ... 16 mm <sup>2</sup> Flexible 2x 1.5 ... 10 mm <sup>2</sup> Rigid 1x 1.5 ... 25 mm <sup>2</sup> Rigid 2x 1.5 ... 10 mm <sup>2</sup>
Connecting Capacity Control Circuit	Flexible with Ferrule 1x 1 ... 2.5 mm <sup>2</sup> Flexible with Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 1 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.75 ... 1 mm <sup>2</sup> Flexible 1x 1 ... 2.5 mm <sup>2</sup> Flexible 2x 1 ... 1.5 mm <sup>2</sup> Rigid 1x 1 ... 4 mm <sup>2</sup> Rigid 2x 1 ... 2.5 mm <sup>2</sup>
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) 150000 cycle AC-7a (NO) 150000 cycle AC-7b (NO) 150000 cycle
Mechanical Durability	1000000 cycle
Number of Poles	4
Number of Main Contacts NC	1
Number of Main Contacts NO	3
Width in Number of Modular Spacings	3
Pollution Degree	3

## 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

## Certificates and Declarations (Document Number)

CB Certificate	1SAA920005-2001
CQC Certificate	CQC2017010304993562
Declaration of Conformity - CCC	2020980304001310
Declaration of Conformity - CE	1SAD938506-0302
Declaration of Conformity - UKCA	1SAD938500-1302
EAC Certificate	1SAA920001-2702
Environmental Information	1SAC200064H0009
Instructions and Manuals	2CDC103043M6801
RMRS Certificate	1SAA920000-0705
RoHS Information	1SAD938506-0302

## 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	0.41 kg
Package Level 1 EAN	4013614524936
Package Level 2 Units	40 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	17.1 kg

Package Level 2 EAN

4013614539336

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## Classifications

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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)		3707812

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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

