



English



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# ESB63-40N-06

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## General Information

**Extended Product Type:**

ESB63-40N-06

**Product ID:**

1SAE351111R0640

**EAN:**

4013614519239

**Catalog Description:**

ESB63-40N-06 Installation Contactor (NO) 63 A - 4 NO - 0 NC - 230 V - Control Circuit 400 Hz

**Long Description:**

The ESB63..N installation contactors are used to control single and three-phase loads up to 63 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.

Data Sheet	Downloads	Where to buy online	Classifications	Related Links
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Ordering

**Package Level 1 EAN:**  
4013614525544

**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 ( $U_c$ ):

230 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) 63 A

#### Rated Operational Current AC-3 ( $I_e$ ):

(230 V) Single Phase, NO 30 A

(400 V) Three Phase, NO 30 A

#### Rated Operational Power AC-1 ( $P_e$ ):

(230 V) Single Phase, NO 14.5 kW

(400 V) Three Phase, NO 43.6 kW

#### Rated Operational Power AC-3 ( $P_e$ ):

(230 V) Single Phase, NO 5 kW

(400 V) Three Phase, NO 15 kW

#### Rated Operational Current AC-7a ( $I_e$ ):

(NO) 63 A

#### Rated Operational Power AC-7a ( $P_e$ ):

(230 V) Single Phase, NO 14.5 kW

(400 V) Three Phase, NO 43.6 kW

#### Rated Operational Current AC-7b ( $I_e$ ):

(230 V) Single Phase, NO 30 A

(400 V) Three Phase, NO 30 A

#### Rated Operational Power AC-7b ( $P_e$ ):

(230 V) Single Phase, NO 5 kW

(400 V) Three Phase, NO 15 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<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 2x 1.5 ... 10 mm<sup>2</sup>

Flexible 1x 1.5 ... 16 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 0.75 ... 2.5 mm<sup>2</sup>  
Flexible with Ferrule 2x 0.75 ... 1.0 mm<sup>2</sup>  
Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm<sup>2</sup>  
Flexible with Insulated Ferrule 2x 0.75 ... 1 mm<sup>2</sup>  
Flexible 1x 1 ... 4.0 mm<sup>2</sup>  
Flexible 2x 1 ... 2.5 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) 100000 cycle  
AC-3 (NO) 240000 cycle  
AC-7a (NO) 100000 cycle  
AC-7b (NO) 240000 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****Maximum Operating Voltage UL/CSA:**

Main Circuit 480 V AC

**Horsepower Rating UL/CSA:**

(220 ... 240 V AC) Single Phase, NO 5 Hp  
(220 ... 240 V AC) Three Phase, NO 10 Hp

(440 ... 480 V AC) Single Phase, NO 7.5 Hp

(440 ... 480 V AC) Three Phase, NO 15 Hp

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**Connecting Capacity Main Circuit UL/CSA:**

Solid 16-4 AWG

Stranded 16-4 AWG

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**Connecting Capacity Control Circuit UL/CSA:**

Solid 16-10 AWG

Stranded 16-10 AWG

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**Tightening Torque UL/CSA:**

Control Circuit 8 in·lb

Main Circuit 20 in·lb

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## Environmental

**Ambient Air Temperature:**

Operation -25 ... +55 °C

Storage -40 ... +80 °C

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**Maximum Operating Altitude Permissible:**

2000 m

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**Resistance to Shock acc. to IEC 60068-2-27:**

11 ms Pulse 15g

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**RoHS Status:**

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

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## Material Compliance

**Conflict Minerals Reporting Template (CMRT):**

[9AKK108467A5658](#)

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**REACH Declaration:**

[2CMT2021-006202](#)

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**RoHS Information:**

[2CMT2021-006277](#)

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**RoHS Status:**

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

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**Toxic Substances Control Act - TSCA:**

[2CMT2023-006525](#)

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**WEEE B2C / B2B:**

Business To Consumer

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**WEEE Category:**

5. Small Equipment (No External Dimension More Than 50 cm)

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## Certificates and Declarations

**A2L Certificate – IEC:**

[1SAA920000-4601](#)

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**ABS Certificate:**

[1SAA920000-0101](#)

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**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:**

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:**

0.405 kg

**Package Level 1 EAN:**

4013614525544

**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:**



13.3 kg

Package Level 2 EAN:

4013614539947

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):

3707591

E-Number (Sweden):

3210573

ETIM 8:

EC001653 - Installation contactor for distribution board

Accessories

**Filters**

No filters to display

6 Products

Identifier	Description	Type	Qty	Unit Of Measure
<a href="#">1SAE901901R1011</a>	EH04-11N Auxiliary Contact - 0 NO - 0 NC - Auxiliary Circuit 50 Hz	EH04-11N	1	piece
<a href="#">1SAE901901M1011</a>	EH04-11N Auxiliary Contact - 0 NO - 0 NC - Auxiliary Circuit 50 Hz	EH04-11N	1	piece
<a href="#">1SAE901901R1020</a>	EH04-20N Auxiliary Contact - 0 NO - 0 NC - Auxiliary Circuit 50 Hz	EH04-20N	1	piece
<a href="#">1SAE901901M1020</a>	EH04-20N Auxiliary Contact - 0 NO - 0 NC - Auxiliary Circuit 50 Hz	EH04-20N	1	piece
<a href="#">GHE3401903R0001</a>	ESB-PLK40/63 Sealing Cover	ESB-PLK40/63	1	piece