

## General Information

<b>Extended Product Type:</b>	ESB24-40-24AC/DC
<b>Product ID:</b>	GHE3291102R0001
<b>EAN:</b>	4013614084416
<b>Catalog Description:</b>	ESB24-40-24AC/DC Installation Contactor
<b>Long Description:</b>	The ESB24 installation contactor is a 4 pole contactor suitable for modular switchboards. They are specially designed fitting to modular DIN rail products and for applications where customers want to use the panel design with high finger protection. Installation contactors are used in residential, commercial and industrial applications for the control of single or three-phase loads up to 24 A or switching of control signals. Further features are the noiseless and hum-free DC coil, the integrated overvoltage protection up to 5 kV and a switch position indication. Auxiliary contacts, distance pieces and sealing cover for protection against unauthorized changes are available as accessory.

## Categories

Products » Low Voltage Products and Systems » Control Products » Contactors » Installation Contactors
Products » Low Voltage Products and Systems » Modular DIN Rail Products » Modular DIN Rail Components MDRCs » Installation Contactors

## Accessories

## Ordering

<b>EAN:</b>	4013614084416
<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85365080

## Container Information

<b>Package Level 1 Units:</b>	5 piece
<b>Package Level 1 Width:</b>	89.0 mm
<b>Package Level 1 Height:</b>	69.0 mm
<b>Package Level 1 Length:</b>	183.0 mm
<b>Package Level 1 Gross Weight:</b>	1.27 kg
<b>Package Level 1 EAN:</b>	4013614420290

## Dimensions

<b>Product Net Width:</b>	36.0 mm
<b>Product Net Height:</b>	85.0 mm
<b>Product Net Depth:</b>	65.0 mm
<b>Product Net Weight:</b>	0.245 kg

## Technical

<b>Rated Frequency (f):</b>	Control Circuit DC, 50 / 60 / 400 Hz Main Circuit 50 / 60 Hz
<b>Rated Operational Current AC-1 (I<sub>e</sub>):</b>	24 A
<b>Rated Operational Current AC-3 (I<sub>e</sub>):</b>	9 A
<b>Rated Operational Power AC-1 (P<sub>e</sub>):</b>	230V Single Phase 5.3 kW 400V Three Phase 16 kW
<b>Rated Operational Power AC-3 (P<sub>e</sub>):</b>	(400V) 4 kW
<b>Rated Operational Current AC-7a (I<sub>e</sub>):</b>	24 A
<b>Rated Operational Power AC-7b (P<sub>e</sub>):</b>	(400 V) 4 kW
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	Main Circuit 6 kV
<b>Rated Insulation Voltage (U<sub>i</sub>):</b>	500 V
<b>Connecting Capacity-Main Circuit:</b>	Rigid 1x 1.5 ... 10 mm <sup>2</sup> Rigid 2x 1.5 ... 4 mm <sup>2</sup> Flexible with Ferrule 1x 1.5 ... 10 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 1.5 ... 10 mm <sup>2</sup> Flexible 1x 1.5 ... 10 mm <sup>2</sup>
<b>Tightening Torques:</b>	Main Circuit 1 N·m Control Circuit 0.9 N·m
<b>Wire Stripping Length:</b>	Main Circuit 10 mm Control Circuit 7 mm
<b>Degree of Protection:</b>	IP20
<b>Electrical Durability:</b>	max. I <sub>e</sub> AC-1 150000 cycle max. I <sub>e</sub> AC-3 500000 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:	2
Pollution Degree:	3
Standards:	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 IEC/EN 61095 UL 60947-1 UL 60947-4-1
Remarks:	Installation contactor, noiseless/humfree, high insulation, reliable function, long life

### Environmental

Ambient Air Temperature:	Operation -25 ... +55 °C Storage -40 ...+75 °C
Maximum Operating Altitude Permissible:	2000 m
Resistance to Shock acc. to IEC 60068-2-27:	11 ms Pulse 150 m/s <sup>2</sup>
Resistance to Vibrations acc. to IEC 60068-2-6:	5g / 3 ... 150 Hz
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment

### Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Main Circuit 480 V AC
Connecting Capacity-Main Circuit UL/CSA:	Stranded 16 ... 8 AWG Flexible 16 ... 8 AWG
Tightening Torques UL/CSA:	Main Circuit 9 in·lb Auxiliary Circuit 8 in·lb

### Certificates and Declarations (Document Number)

BV Certificate:	<a href="#">1SAA920000-0203;</a>
CB Certificate:	<a href="#">1SAA920000-2003;</a>
CCC Certificate:	<a href="#">1SAA920000-3802;</a>
cUL Certificate:	<a href="#">1SAA920000-1701;</a>
Declaration of Conformity - CE:	<a href="#">1SAD938506-0007;</a>
DNV Certificate:	<a href="#">1SAA920000-0305;</a>
EAC Certificate:	<a href="#">1SAA920000-2702;</a>
GL Certificate:	<a href="#">1SAA920000-0403;</a>
NF Certificate:	<a href="#">1SAA920000-1201;</a>
RMRS Certificate:	<a href="#">1SAA920000-0703;</a>
UL Certificate:	<a href="#">1SAA920000-1603;</a>

### Classifications

Object Classification Code:	Q
E-nummer:	3225021
ETIM 4.0:	EC001653 - Installation contactor for distribution board
ETIM 5.0:	EC001653 - Installation contactor for distribution board



