

General Information

Extended Product Type:	ESB24-40-230AC/DC
Product ID:	GHE3291102R0006
EAN:	4013614084454
Catalog Description:	ESB24-40-230AC/DC Installation Contactor
Long Description:	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

Identifier	Description	Type
GHE3401321R0001	EH04-20 Auxiliary Contact	EH04-20
GHE3401321R0002	EH04-11 Auxiliary Contact	EH04-11
GHE3201903R0001	ESB-PLK24 Sealing Cover	ESB-PLK24
GHE3201902R0001	ESB-DIS Distance Piece	ESB-DIS

Ordering

EAN:	4013614084454
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85365080

Container Information

Package Level 1 Units:	5 piece
Package Level 1 Width:	89.0 mm
Package Level 1 Height:	69.0 mm
Package Level 1 Length:	183.0 mm
Package Level 1 Gross Weight:	1.220 kg
Package Level 1 EAN:	4013614420337

Dimensions

Product Net Width:	36.0 mm
Product Net Height:	85.0 mm
Product Net Depth:	65.0 mm
Product Net Weight:	0.235 kg

Technical

Rated Frequency (f_r):	Control Circuit DC, 50 / 60 / 400 Hz Main Circuit 50 / 60 Hz
Rated Operational Current AC-1 (I_e):	24 A
Rated Operational Current AC-3 (I_e):	9 A
Rated Operational Power AC-1 (P_e):	230V Single Phase 5.3 kW 400V Three Phase 16 kW
Rated Operational Power AC-3 (P_e):	(400V) 4 kW
Rated Operational Current AC-7a (I_e):	24 A
Rated Operational Power AC-7b (P_e):	(400 V) 4 kW
Rated Impulse Withstand Voltage (U_{imp}):	Main Circuit 6 kV
Rated Insulation Voltage (U_i):	500 V
Connecting Capacity-Main Circuit:	Rigid 1x 1.5 ... 10 mm ² Rigid 2x 1.5 ... 4 mm ² Flexible with Ferrule 1x 1.5 ... 10 mm ² Flexible with Insulated Ferrule 1x 1.5 ... 10 mm ² Flexible 1x 1.5 ... 10 mm ²
Tightening Torques:	Main Circuit 1 N·m Control Circuit 0.9 N·m

Wire Stripping Length:	Main Circuit 10 mm Control Circuit 7 mm
Degree of Protection:	IP20
Electrical Durability:	max. le AC-1 150000 cycle max. le 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 ²
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:	1SAA920000-0203
CB Certificate:	1SAA920000-2003
CCC Certificate:	1SAA920000-3802
CSA Certificate:	1SAA920000-1101
cUL Certificate:	1SAA920000-1701
Declaration of Conformity - CE:	1SAD938506-0007
DNV Certificate:	1SAA920000-0305
GL Certificate:	1SAA920000-0403
GOST Certificate:	1SAA920000-2701
NF Certificate:	1SAA920000-1201
RMRS Certificate:	1SAA920000-0703
UL Certificate:	1SAA920000-1603

Classifications

Object Classification Code:	Q
E-nummer:	3225024
ETIM 4.0:	EC001653 - Installation contactor for distribution board
ETIM 5.0:	EC001653 - Installation contactor for distribution board

