PRODUCT-DETAILS

ESB40-31N-01

ESB40-31N-01 Contactor



Información General

Extended Product Type	ESB40-31N-01
Product ID	1SAE341111R0131
EAN	4013614518317
Catalog Description	ESB40-31N-01 Contactor
Long Description	The ESB40..N installation contactors are used to control single and three-phase loads up to 40 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.

Clasificación

Package Level 1 EAN	4013614524622
Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

Descargas Populares

Instructions and Manuals	2CDC103043M6801

Dimensiones

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)	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})	6 kV
Rated Insulation Voltage (U_i)	500 V
Connecting Capacity Main Circuit	Flexible with Ferrule 1x 1.5 ... 16 mm² Flexible with Ferrule 2x 1.5 ... 10 mm² Flexible with Insulated Ferrule 1x 1.5 ... 16 mm² Flexible with Insulated Ferrule 2x 1.5 ... 10 mm² Flexible 1x 1.5 ... 16 mm² Flexible 2x 1.5 ... 10 mm² Rigid 1x 1.5 ... 25 mm² Rigid 2x 1.5 ... 10 mm²
Connecting Capacity Control Circuit	Flexible with Ferrule 1x 0.75 ... 2.5 mm² Flexible with Ferrule 2x 0.75 ... 1.5 mm² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm² Flexible with Insulated Ferrule 2x 0.75 ... 1 mm² Flexible 1x 1 ... 4.0 mm² Flexible 2x 1 ... 2.5 mm² Rigid 1x 1 ... 4 mm² Rigid 2x 1 ... 2.5 mm²
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
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, NC 3 Hp (220 ... 240 V AC) Single Phase, NO 3 Hp (220 ... 240 V AC) Three Phase, NO 7.5 Hp (440 ... 480 V AC) Single Phase, NC 7.5 Hp (440 ... 480 V AC) Single Phase, NO 7.5 Hp (440 ... 480 V AC) Three Phase, NO 15 Hp
Connecting Capacity Main Circuit UL/CSA	Solid 16-4 AWG Stranded 16-4 AWG
Connecting Capacity Control Circuit UL/CSA	Solid 16-10 AWG Stranded 16-10 AWG
Tightening Torque UL/CSA	Control Circuit 8 in·lb Main Circuit 20 in·lb

Ambiente

Ambient Air Temperature	Funcionamiento -25 ... +55 °C Almacenamiento -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

Certificados y Declaraciones (Número de Documento)

ABS Certificate	1SAA920000-0101
CB Certificate	1SAA920005-2001
CCC Certificate	1SAA920003-3801
cULus Certificate	cUL_E191658
Declaration of Conformity - CE	1SAD938504-0302
DNV Certificate	1SAA920000-0306
EAC Certificate	1SAA920001-2702
Environmental Information	1SAC200064H0009
Instructions and Manuals	2CDC103043M6801
RINA Certificate	1SAA920000-0801

RMRS Certificate	1SAA920000-0705
RoHS Information	1SAD938503-0302

Información de Embalaje

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	0.405 kg
Package Level 1 EAN	4013614524622
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	16.9 kg
Package Level 2 EAN	4013614539015

Clasificaciones

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	7.0 27142308
UNSPSC	39121529
E-Number (Finland)	3707584

Categorias

Productos y sistemas de baja tensión → Aparatos de control → Contactores → Contactores de instalación

Productos y sistemas de baja tensión → Aparatos modulares de instalación → Command and Signalling devices → Contactores de instalación

