PRODUCT-DETAILS

ESB100-40N-01

ESB100-40N-01 Installation Contactors



General Information

Extended Product Type	ESB100-40N-01
Product ID	1SAE661111R0140
EAN	4013614533129
Catalog Description	ESB100-40N-01 Installation Contactors
Long Description	The ESB100..N installation contactors are used to control single and three-phase loads up to 100 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.

Ordering

Package Level 1 EAN	4013614533112
Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

Popular Downloads

Instructions and Manuals	2CDC103043M6801

Dimensions

Product Net Width	108 mm
Product Net Height	85 mm
Product Net Depth / Length	65 mm
Product Net Weight	0.81 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)	(NO) 100 A
Rated Operational Power AC-1 (P_e)	(230 V) Single Phase, NO 23 kW (400 V) Three Phase, NO 69.3 kW
Rated Operational Current AC-7a (I_e)	(NO) 100 A
Rated Operational Power AC-7a (P_e)	(230 V) Single Phase, NO 23 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)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 500 V
Connecting Capacity Main Circuit	Flexible with Ferrule 1x 10 ... 35 mm² Flexible with Insulated Ferrule 1x 10 ... 35 mm² Flexible 1x 10 ... 35 mm² Rigid 1x 10 ... 50 mm²
Connecting Capacity Control Circuit	Flexible with Ferrule 1x 1 ... 2.5 mm² Flexible with Ferrule 2x 0.75 ... 1.5 mm² Flexible with Insulated Ferrule 1x 1 ... 2.5 mm² Flexible with Insulated Ferrule 2x 0.75 ... 1 mm² Flexible 1x 1 ... 2.5 mm² Flexible 2x 1 ... 1.5 mm² Rigid 1x 1 ... 4 mm² Rigid 2x 1 ... 2.5 mm²
Tightening Torque	Control Circuit 0.9 N·m Main Circuit 3 N·m
Wire Stripping Length	Control Circuit 7 mm Main Circuit 15 mm
Degree of Protection	IP20
Electrical Durability	AC-1 (NO) 70000 cycle AC-7a (NO) 70000 cycle
Mechanical Durability	1000000 cycle
Number of Poles	4
Number of Main Contacts NC	0
Number of Main Contacts NO	4
Width in Number of Modular Spacings	6
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
Connecting Capacity Main Circuit UL/CSA	Solid 8-0 AWG Stranded 8-0 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 27 in·lb

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)

ABS Certificate	1SAA920000-0101
CB Certificate	1SAA920008-2001
CCC Certificate	1SAA920006-3801
cULus Certificate	cUL_E191658
Declaration of Conformity - CE	1SAD938504-0302
DNV Certificate	1SAA920000-0306
EAC Certificate	1SAA920001-2702
Instructions and Manuals	2CDC103043M6801
NF Certificate	1SAA920001-1202
RINA Certificate	1SAA920000-0801
RMRS Certificate	1SAA920000-0705
RoHS Information	1SAD938503-0302

Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	92.5 mm
Package Level 1 Height	77 mm
Package Level 1 Depth / Length	115.5 mm
Package Level 1 Gross Weight	0.81 kg
Package Level 1 EAN	4013614533112

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	7.0 27142308
UNSPSC	39121529
E-Number (Sweden)	3210576

Categories

Low Voltage Products and Systems → Control Products → Contactors → Installation Contactors

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

