

PRODUCT-DETAILS

ESB16-11N-14

ESB16-11N-14 Installation Contactor



General Information	
Extended Product Type	ESB16-11N-14
Product ID	1SBE111111R1411
EAN	3471523007314
Catalog Description	ESB16-11N-14 Installation Contactor
Long Description	The ESB16N installation contactors are used to control single loads up to 16 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	3471523004535
Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

Popular Downloads	
Instructions and Manuals	2CDC103043M6801
Dimension Diagram	1SBB505186D3001

Dimensions	
Product Net Width	18 mm
Product Net Height	85 mm
Product Net Depth / Length	65 mm
Product Net Weight	0.14 kg

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Product Net Weight	0.14 kg
Technical	
Rated Operational Voltage	Main Circuit 220 V DC Main Circuit 250 V AC
Rated Control Circuit Voltage (U _c)	12 V
Rated Frequency (f)	Control Circuit DC Control Circuit 50 Hz Control Circuit 60 Hz Control Circuit 400 Hz Main Circuit DC Main Circuit 50 Hz Main Circuit 60 Hz
Rated Operational Current AC-1 (I _e)	(NC) 16 A (NO) 16 A
Rated Operational Current AC-3 (I _e)	(230 V) Single Phase, NC 6 A (230 V) Single Phase, NO 6 A
Rated Operational Power AC-1 (Pe)	(230 V) Single Phase, NO 6 A (230 V) Single Phase, NC 3.7 kW (230 V) Single Phase, NO 3.7 kW
Rated Operational Power AC-3 (P _e)	(230 V) Single Phase, NC 0.9 kW (230 V) Single Phase, NO 0.9 kW
Rated Operational Current AC-7a (I _e)	(NC) 16 A (NO) 16 A
Rated Operational Power AC-7a (P _e)	(230 V) Single Phase, NC 3.7 kW (230 V) Single Phase, NO 3.7 kW
Rated Operational Current AC-7b (I _e)	(230 V) Single Phase, NC 6 A (230 V) Single Phase, NO 6 A
Rated Operational Power AC-7b (P _e)	(230 V) Single Phase, NC 0.9 kW (230 V) Single Phase, NO 0.9 kW
Recommended Screw Driver	Control Circuit Pozidriv 1 Main Circuit Pozidriv 1
Rated Impulse Withstand Voltage (U _{imp})	6 kV
Rated Insulation Voltage (U _i)	400 V
Connecting Capacity Main Circuit	Flexible with Ferrule 1x 1 6 mm² Flexible with Ferrule 2x 1 2.5 mm² Flexible with Insulated Ferrule 1x 1 6 mm² Flexible with Insulated Ferrule 2x 1 1.5 mm² Flexible 1x 1 6 mm² Flexible 2x 1 4 mm² Rigid 1x 1 10 mm² Rigid 2x 1 4 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 0.5 4 mm² Rigid 2x 0.75 2.5 mm²
Tightening Torque	Control Circuit 0.9 N·m Main Circuit 1.2 N·m
Wire Stripping Length	Control Circuit 7 mm Main Circuit 10 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	2
Number of Main	1
Contacts NC	
Number of Main	1
Contacts NO	
Width in Number of	1
Modular Spacings	
Pollution Degree	3
Standards	IEC/EN 60947-1
	IEC/EN 60947-4-1
	UL 60947-1
	UL 60947-4-1
	IEC/EN 61095

Technical UL/CSA	
Maximum Operating Voltage UL/CSA	Main Circuit 240 V AC
Horsepower Rating UL/CSA	(220 240 V AC) Single Phase, NC 0.75 Hp (220 240 V AC) Single Phase, NO 0.75 Hp
Connecting Capacity Main Circuit UL/CSA	Solid 14-8 AWG Stranded 14-8 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 11 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	1SAA920007-2001
CQC Certificate	CQC2018010304057353 CQC2018010304057344
cULus Certificate	cUL_E191658
Declaration of Conformity - CCC	2020980304001370 2020980304001371
Declaration of Conformity - CE	1SAD938506-0302
Declaration of Conformity - UKCA	1SAD938500-1302
DNV Certificate	1SAA920000-0306
EAC Certificate	1SAA920003-2701
Environmental Information	1SAC200061H0009
Instructions and Manuals	2CDC103043M6801
RMRS Certificate	1SAA920000-0705

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RoHS Information 1SAD938506-0302

Container Information	
Package Level 1 Units	1 piece
Package Level 1 Width	88 mm
Package Level 1 Height	71 mm
Package Level 1 Depth / Length	20 mm
Package Level 1 Gross Weight	0.14 kg
Package Level 1 EAN	3471523004535

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

Categories

 $Low\ Voltage\ Products\ and\ Systems\ \rightarrow\ Control\ Products\ \rightarrow\ Contactors\ \rightarrow\ Installation\ Contactors$ $Low\ Voltage\ Products\ and\ Systems\ \rightarrow\ Modular\ DIN\ Rail\ Products\ \rightarrow\ Command\ and\ Signalling\ devices\ \rightarrow\ Installation\ Contactors$

