

PRODUCT-DETAILS

ESB16-20N-05

ESB16-20N-05 Installation Contactor



General Information	
Extended Product Type	ESB16-20N-05
Product ID	1SBE111111R0520
EAN	3471523007109
Catalog Description	ESB16-20N-05 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	3471523004450
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
Technical	
Rated Operational Voltage	Main Circuit 220 V DC Main Circuit 250 V AC

Current AC-3 (le) Rated Operational Power AC-1 (Pe) Rated Operational Power AC-3 (Pe) Rated Operational Power AC-3 (Pe) Rated Operational Power AC-3 (Pe) Rated Operational Current AC-7a (le) Rated Operational Current AC-7b (le) Rated Operational Power AC-7b (le) Rated Insulation Power AC-7b (le) Rated Insulation Voltage Current AC-7b (le) Rated Insulation Voltage (Ui) Connecting Capacity Flexible with Ferrule 1x 1 6 mm Flexible with Insulated Ferrule 1x 1 6 mm Flexible with Insulated Ferrule 2x 1 1 5 mm Flexible with Insulated Ferrule 2x 1 5 mm Flexible with Insulated Ferrule 1x 1 6 mm Flexible with Insulated Ferrule 1x 1 2.5 mm Flexible with Insulat	Technical	
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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		Flexible with Ferrule 1x 1 2.5 mm ² Flexible with Ferrule 2x 0.75 1.5 mm ² Flexible with Insulated Ferrule 1x 1 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 1 mm ² Flexible 1x 1 2.5 mm ² Flexible 2x 1 1.5 mm ² Rigid 1x 0.5 4 mm ²
Main Circuit 10 mm	Tightening Torque	Control Circuit 0.9 N·m
Degree of Protection IP20	Wire Stripping Length	
	Degree of Protection	IP20

	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 Contacts NC	0
Number of Main Contacts NO	2
Width in Number of Modular Spacings	1
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, 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
NF Certificate	1SAA920002-1201

RMRS Certificate	1SAA920000-0705
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	3471523004450

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

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

