

ESB20-11N-06

General Information

Extended Product Type:	ESB20-11N-06
Product ID:	1SBE121111M0611
EAN:	3471523007499
Catalog Description:	ESB20-11N-06 Installation Contactor
Long Description:	<p>The ESB20..N installation contactors are used to control single loads up to 20 A and can be operated by AC or DC.</p> <p>These contactors are made for use in household applications as well as in industrial environments.</p> <p>The following benefits are provided:</p> <p>Hum-free operation, low power consumption and integrated overvoltage protection.</p> <p>Various contact combinations and accessories are available.</p>

Categories

Products » Low Voltage Products and Systems » Control Products » Contactors » Lighting Contactors

Products » Low Voltage Products and Systems » Modular DIN Rail Products » Command and Signalling devices » Lighting Contactors

Ordering

Package Level 1 EAN:	3471523005105
Minimum Order Quantity:	12 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
Rated Control Circuit Voltage (U_c):	230 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) 20 A (NO) 20 A
Rated Operational Current AC-3 (I_e):	(230 V) Single Phase, NC 9 A (230 V) Single Phase, NO 9 A
Rated Operational Power AC-1 (P_e):	(230 V) Single Phase, NC 4.6 kW (230 V) Single Phase, NO 4.6 kW
Rated Operational Power AC-3 (P_e):	(230 V) Single Phase, NC 1.3 kW (230 V) Single Phase, NO 1.3 kW
Rated Operational Current AC-7a (I_e):	(NC) 20 A (NO) 20 A
Rated Operational Power AC-7a (P_e):	(230 V) Single Phase, NC 4.6 kW (230 V) Single Phase, NO 4.6 kW
Rated Operational Current AC-7b (I_e):	(230 V) Single Phase, NC 9 A (230 V) Single Phase, NO 9 A
Rated Operational Power AC-7b (P_e):	(230 V) Single Phase, NC 1.3 kW (230 V) Single Phase, NO 1.3 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 mm ² Flexible with Ferrule 2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1x 1 ... 6 mm ² Flexible with Insulated Ferrule 2x 1 ... 1.5 mm ² Flexible 1x 1 ... 6 mm ² Flexible 2x 1 ... 4 mm ² Rigid 1x 1 ... 10 mm ² Rigid 2x 1 ... 4 mm ²
Connecting Capacity Control Circuit:	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 Rigid 2x 0.75 ... 2.5 mm ²
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 Contacts NC:	1
Number of Main Contacts NO:	1
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, NC 1 Hp (220 ... 240 V AC) Single Phase, NO 1 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:	1SAD938504-0302
DNV Certificate:	1SAA920000-0306
EAC Certificate:	1SAA920003-2701
Environmental Information:	1SAC200062H0009
Instructions and Manuals:	2CDC103043M6801
RMRS Certificate:	1SAA920000-0705
RoHS Information:	1SAD938503-0302

Container Information

Package Level 1 Units:	12 piece
Package Level 1 Width:	88 mm
Package Level 1 Height:	69.5 mm
Package Level 1 Depth / Length:	222 mm
Package Level 1 Gross Weight:	1.68 kg
Package Level 1 EAN:	3471523005105

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
IDEA Granular Category Code (IGCC):	4759 >> Installation contactor for distribution board

