# EN20-20N-06





#### EN20-20N-06 Installation Contactor

#### **General Information**

Extended Product Type	EN20-20N-06
Product ID	1SBE122111R0620
EAN	3471523007581
Catalog Description	EN20-20N-06 Installation Contactor
Long Description	The EN20N installation contactors are used to control single loads up to 20 A and can be operated by AC or DC voltages and/or manually.  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, integrated overvoltage protection and manual override.  Various contact combinations and accessories are available.  Manual operation is available in 3 states: "On", "Off", "Auto"

# Ordering

Package Level 1 EAN	3471523004696
Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

### Popular Downloads

Instructions and Manuals	2CDC103043M6801

#### 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 400 Hz Control Circuit 50 Hz Control Circuit 60 Hz Control Circuit DC

Main Circuit 50 Hz

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	Main Circuit 60 Hz Main Circuit DC
Rated Operational Current AC-1 (I <sub>e</sub> )	(NO) 20 A
Rated Operational Current AC-3 (I <sub>e</sub> )	(230 V) Single Phase, NO 9 A
Rated Operational Power AC-1 (P <sub>e</sub> )	(230 V) Single Phase 4.6 kW
Rated Operational Power AC-3 (P <sub>e</sub> )	(230 V) Single Phase 1.3 kW
Rated Operational Current AC-7a (I <sub>e</sub> )	(NO) 20 A
Rated Operational Power AC-7a (P <sub>e</sub> )	(230 V) Single Phase 4.6 kW
Rated Operational Current AC-7b (I <sub>e</sub> )	(230 V) Single Phase, NO 9 A
Rated Operational Power AC-7b ( $P_e$ )	(230 V) Single Phase 1.3 kW
Recommended Screw Driver	Control Circuit Pozidriv 1 Main Circuit Pozidriv 1
Rated Impulse Withstand Voltage $(U_{imp})$	4 kV
Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 500 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 1/2x 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 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

## 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

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RoHS Status	Following EU Directive 2011/65/EU

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# Certificates and Declarations (Document Number)

CB Certificate	1SAA920007-2001
CCC Certificate	1SAA920005-3801
cULus Certificate	cUL E191658
Declaration of Conformity - CE	1SAD938503-0302
EAC Certificate	1SAA920003-2701
Instructions and Manuals	2CDC103043M6801
NF Certificate	1SAA920002-1201
RMRS Certificate	1SAA920000-0705
RoHS Information	1SAD938503-0302

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### **Container Information**

Package Level 1 Units	1 piece
Package Level 1 Width	20 mm
Package Level 1 Height	89 mm
Package Level 1 Depth / Length	73 mm
Package Level 1 Gross Weight	0.14 kg
Package Level 1 EAN	3471523004696

### 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

### Categories

Low Voltage Products and Systems  $\rightarrow$  Control Products  $\rightarrow$  Contactors  $\rightarrow$  Installation Contactors

 $Low\ Voltage\ Products\ and\ Systems\ \rightarrow\ Modular\ DIN\ Rail\ Products\ \rightarrow\ Modular\ DIN\ Rail\ Components\ MDRCs\ \rightarrow\ Installation\ Contactors$ 

