

## PRODUCT-DETAILS

# N44E 110V 50Hz / 110-120V 60Hz

## N44E 110V 50Hz / 110-120V 60Hz Contactor Relay



### General Information

Extended Product Type	N44E 110V 50Hz / 110-120V 60Hz
Product ID	1SBH141001R8444
EAN	3471522013842
Catalog Description	N44E 110V 50Hz / 110-120V 60Hz Contactor Relay
Long Description	<p>N... contactor relays are used for switching auxiliary circuits and control circuits -</p> <p>Poles: 8-pole contactor relays (mechanically linked contact elements available) The width of 8-pole devices is identical to that of 4-pole devices only the depth is increased - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available. only the depth is increased</p> <p>- Control circuit: AC operated with laminated magnet circuit</p> <p>- Accessories: a wide range of accessories is available.</p>

### Classifications

Object Classification Code	K
ETIM 4	EC000196 - Contactor relay
ETIM 5	EC000196 - Contactor relay
ETIM 6	EC000196 - Contactor relay
ETIM 7	EC000196 - Contactor relay
UNSPSC	39121500

### Container Information

Package Level 1 Units	1 piece
-----------------------	---------

Package Level 1 Width	78 mm
Package Level 1 Depth / Length	110 mm
Package Level 1 Height	46 mm
Package Level 1 Gross Weight	0.4 kg
Package Level 1 EAN	3471522013842
Package Level 2 Units	box 48 piece
Package Level 2 Width	300 mm
Package Level 2 Depth / Length	245 mm
Package Level 2 Height	308 mm
Package Level 2 Gross Weight	19.2 kg
Package Level 3 Units	576 piece

## Certificates and Declarations (Document Number)

BV Certificate	BV_2634H09651D0
CB Certificate	CB_FR_602227B
CCC Certificate	CCC_2018010304059155
CSA Certificate	CSA_1041746
Declaration of Conformity - CE	1SBD250808U1000
DNV Certificate	DNV-GL_TAE00000TY
DNV GL Certificate	DNV-GL_TAE00000TY
Environmental Information	1SBD250049E1002
GOST Certificate	GOST_POCCFRME01B03022
Instructions and Manuals	FPTC407721P0001
LR Certificate	LRS_9830010E2
RINA Certificate	RINA_ELE128713XG002
RMRS Certificate	RMRS_0507015250
RoHS Information	1SBD250808U1000
UL Certificate	UL_110105E48139A

## Environmental

Ambient Air Temperature	Close to Contactor for Storage -60 ... +80 °C Near Contactor for Operation in Free Air (Uc) -40 ... +70 °C Near Contactor for Operation in Free Air (0.85 ... 1.1 Uc) -40 ... +55 °C
Climatic Withstand	acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II
Maximum Operating Altitude Permissible	3000 m
Resistance to Shock acc. to IEC 60068-2-27	Shock Direction: A 20 K40 Shock Direction: B2 15 K40 Shock Direction: C1 20 K40 Shock Direction: C2 20 K40 Closed, Shock Direction: B1 10 K40 Open, Shock Direction: B1 5 K40
RoHS Status	Following EU Directive 2011/65/EU

## Technical

Number of Auxiliary Contacts NO	4
Number of Auxiliary Contacts NC	4
Standards	Devices complying with international standards IEC 947-5-1 / 947-4-1 and

European standards EN 60 947-5-1 / 60 947-4-1. Electromagnetic compatibility (EMC) according to amendment A11 to IEC 947-1, EN 60 947-1 and amendment 2 to IEC 947-4-1

Rated Operational Voltage	Main Circuit 690 V
Rated Frequency (f)	Supply Circuit 50 60 Hz
Conventional Free-air Thermal Current ( $I_{th}$ )	acc. to IEC 60947-5-1, q = 40 °C 16 A
Rated Operational Current AC-15 ( $I_e$ )	(220 / 240 V) 4 A (24 / 127 V) 6 A (380 / 440 V) 3 A (500 V) 2 A (690 V) 2 A
Short-Circuit Protective Devices	gG Type Fuses 10 A
Rated Operational Current DC-13 ( $I_e$ )	(125 V) 0.55 / 69 A (24 V) 6 / 144 A (250 V) 0.3 / 75 A (48 V) 2.8 / 134 A (72 V) 1 / 72 A
Rated Insulation Voltage ( $U_i$ )	acc. to UL/CSA 600 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	8 kV
Mechanical Durability	> 20 million
Maximum Mechanical Switching Frequency	6000 cycles per hour
Rated Control Circuit Voltage ( $U_c$ )	50 Hz 110 V 60 Hz 110 ... 120 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 8.2 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 8.2 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 70 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 80 V·A Average Holding Value 50 / 60 Hz 8.2 V·A Average Pull-in Value 50 Hz 74 V·A Average Pull-in Value 60 Hz 70 V·A
Operate Time	Between Coil De-energization and NC Contact Closing 9 ... 16 ms Between Coil De-energization and NO Contact Opening 4 ... 11 ms Between Coil Energization and NC Contact Opening 7 ... 21 ms Between Coil Energization and NO Contact Closing 10 ... 26 ms
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 ... 2.5 mm <sup>2</sup> Rigid Cable 1 ... 4 mm <sup>2</sup>
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
Terminal Type	Screw Terminals

## Dimensions

Product Net Width	44 mm
Product Net Depth / Length	107 mm
Product Net Height	74 mm
Product Net Weight	0.4 kg

## Popular Downloads

Data Sheet, Technical Information	1SBC100122C0202_Ch03
Instructions and Manuals	FPTC407721P0001

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

---

## Categories

---

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

