

PRODUCT-DETAILS

N31E 220-230V 50Hz / 230-240V 60Hz

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Contacteur Relay



General Information

Extended Product Type	N31E 220-230V 50Hz / 230-240V 60Hz
Product ID	1SBH141001R8031
EAN	3471522011800
Catalog Description	N31E 220-230V 50Hz / 230-240V 60Hz Contacteur Relay
Long Description	N... contactor relays are used for switching auxiliary circuits and control circuits - Poles: 4-pole contactor relays (mechanically linked contact elements available) - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900
Replacement Product ID (NEW)	1SBH131001R8031

Popular Downloads

Data Sheet, Technical Information	1SBC100122C0202_Ch03
Instructions and Manuals	FPTC407721P0001

Dimensions

Product Net Width	44 mm
Product Net Depth / Length	74 mm
Product Net Height	74 mm
Product Net Weight	0.34 kg

Technical

Number of Auxiliary Contacts NO	3
Number of Auxiliary Contacts NC	1
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)	(500 V) 2 A (690 V) 2 A (24 / 127 V) 6 A (220 / 240 V) 4 A (380 / 400 V) 3 A
Short-Circuit Protective Devices	gG Type Fuses 10 A
Rated Operational Current DC-13 (I_e)	(24 V) 6 / 144 A (48 V) 2.8 / 134 A (72 V) 1 / 72 A (125 V) 0.55 / 69 A (250 V) 0.3 / 75 A
Rated Insulation Voltage (U_i)	acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V acc. to UL/CSA 600 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 220 ... 230 V 60 Hz 230 ... 240 V
Coil Consumption	Average Holding Value 50 / 60 Hz 8.00 VA V-A Average Pull-in Value 50 Hz 74 V-A Average Pull-in Value 60 Hz 70 V-A 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
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 ² Rigid Cable 1 ... 4 mm ²
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
Terminal Type	Screw Terminals

Environmental

Ambient Air Temperature	Close to Contactor for Storage -60 ... +80 °C Near Contactor for Operation in Free Air (0.85 ... 1.1 U _c) -40 ... +55 °C
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Near Contactor for Operation in Free Air (Uc) -40 ... +70 °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	Closed, Shock Direction: B1 10 K40 Open, Shock Direction: B1 5 K40 Shock Direction: A 20 K40 Shock Direction: B2 15 K40 Shock Direction: C1 20 K40 Shock Direction: C2 20 K40
RoHS Status	Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

BV Certificate	BV_2634H09651D0
CB Certificate	CB_FR_602227B
CCC Certificate	CCC_2018010304059155 CCC_2006010305185052
CQC Certificate	CQC2018010304059155
CSA Certificate	CSA_1041746
Declaration of Conformity - CCC	2020980303000257
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

Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	78 mm
Package Level 1 Depth / Length	79 mm
Package Level 1 Height	47 mm
Package Level 1 Gross Weight	0.34 kg
Package Level 1 EAN	3471522011800
Package Level 2 Units	box 63 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	21.42 kg
Package Level 3 Units	1220 piece

Classifications

Object Classification Code	K
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ETIM 4	EC000196 - Contactor relay
ETIM 5	EC000196 - Contactor relay
ETIM 6	EC000196 - Contactor relay
ETIM 7	EC000196 - Contactor relay
eClass	V11.0 : 27371003
UNSPSC	39121500
E-Number (Finland)	3709214

Categories

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

