

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

General Information

Extended Product Type:	NS31E-26
Product ID:	1SBH101001R2631
EAN:	3471523001268
Catalog Description:	NS31E-26 230V50/60HZ Contactor Relay
Long Description:	NS... contactor relays are used for switching auxiliary circuits and control circuits. - Poles and auxiliary contacts blocks: 4-pole contactor relays, front-mounted add-on auxiliary contact blocks (mechanically-linked auxiliary contacts compliant with Annex L of IEC 60947-5-1 including the "Mechanically Linked" symbol on the contactor relay side) - 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

Popular Downloads

Data Sheet, Technical Information:	1SBC100173C0201
Instructions and Manuals:	1SBC101020M9701

Dimensions

Product Net Width:	45 mm
Product Net Depth:	72.5 mm
Product Net Height:	68 mm
Product Net Weight:	0.220 kg

Technical

Number of Auxiliary Contacts NO:	3
Number of Auxiliary Contacts NC:	1
Standards:	IEC 60947-5-1 and EN 60947-5-1, UL 508, CSA C22.2 N°14
Rated Operational Voltage:	Auxiliary Circuit 690 V Main Circuit 690 V
Rated Frequency (f):	Auxiliary Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I_{th}):	acc. to IEC 60947-5-1, q = 40 °C 10 A

Rated Operational Current AC-15 (I_e):	(220 / 240 V) 4 A (24 / 127 V) 6 A (400 / 440 V) 3 A (500 V) 2 A (690 V) 2 A
Rated Short-time Withstand Current (I_{cw}):	for 0.1 s 140 A for 1 s 100 A
Maximum Electrical Switching Frequency:	AC-15 1200 cycles per hour DC-13 900 cycles per hour
Rated Operational Current DC-13 (I_e):	(110 V) 0.55 A / 60 A (125 V) 0.55 A / 69 A (220 V) 0.27 A / 60 A (24 V) 6 A / 144 A (250 V) 0.27 A / 68 A (48 V) 2.8 A / 134 A (72 V) 1 A / 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}):	6 kV
Maximum Mechanical Switching Frequency:	3600 cycles per hour
Rated Control Circuit Voltage (U_c):	50 Hz 230 V 60 Hz 230 V
Operate Time:	Between Coil De-energization and NC Contact Closing 7 ... 22 ms Between Coil De-energization and NO Contact Opening 5 ... 19 ms Between Coil Energization and NC Contact Opening 6 ... 18 ms Between Coil Energization and NO Contact Closing 9 ... 24 ms
Connecting Capacity Auxiliary Circuit:	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm ² Rigid 1/2x 0.75 ... 2.5 mm ²
Connecting Capacity Control Circuit:	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm ² Rigid 1/2x 0.75 ... 2.5 mm ²
Wire Stripping Length:	Auxiliary Circuit 9 mm Control Circuit 9 mm
Degree of Protection:	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20 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 -40 ... +70 °C
---------------------------------	--

Climatic Withstand:	Category B according to IEC 60947-1 Annex Q
Maximum Operating Altitude Permissible:	3000 m
Resistance to Vibrations acc. to IEC 60068-2-6:	5 ... 300 Hz 3 g Closed position / 2 g Open position
Resistance to Shock acc. to IEC 60068-2-27:	Closed, Shock Direction: C1 19 g Closed, Shock Direction: C2 16 g Open, Shock Direction: C1 8 g Open, Shock Direction: C2 13 g Shock Direction: A 20 g Shock Direction: B1 5 g Shock Direction: B2 15 g
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment

Technical UL/CSA

Tightening Torque UL/CSA:	Auxiliary Circuit 9 in·lb Control Circuit 9 in·lb
----------------------------------	--

Certificates and Declarations (Document Number)

CB Certificate:	CB_CN_32453
CCC Certificate:	CCC_2007010305248106
Declaration of Conformity - CE:	1SBD250016U1000
Environmental Information:	1SBD250158E1000
GOST Certificate:	GOST_POCCCNME77B07821.pdf
Instructions and Manuals:	1SBC101020M9701
RoHS Information:	1SBD251002E1000
UL Certificate:	UL_220108-E312527A
UL Listing Card:	NOA_E312527.pdf

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	78 mm
Package Level 1 Length:	80 mm
Package Level 1 Height:	48 mm
Package Level 1 Gross Weight:	0.22 kg
Package Level 1 EAN:	3471523001268
Package Level 2 Units:	40 piece
Package Level 2 Width:	250 mm
Package Level 2 Length:	315 mm
Package Level 2 Height:	195 mm
Package Level 2 Gross Weight:	12.500 kg

Package Level 3 Units:

960 piece

Classifications

Object Classification Code:

K

ETIM 4: EC000196 - Contactor relay

ETIM 5: EC000196 - Contactor relay

ETIM 6: EC000196 - Contactor relay

UNSPSC: 39121500

