

# NS31ES-26



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

## General Information

<b>Extended Product Type:</b>	NS31ES-26
<b>Product ID:</b>	1SBH101004R2631
<b>EAN:</b>	3471523009264
<b>Catalog Description:</b>	NS31ES-26 230V50/60HZ Contactor Relay
<b>Long Description:</b>	NS... contactor relays are used for switching auxiliary circuits and control circuits. The NS..S contactor relays are the spring terminal version of the NS... range. - 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

<b>Minimum Order Quantity:</b>	40 piece
<b>Customs Tariff Number:</b>	85364900

## Popular Downloads

<b>Data Sheet, Technical Information:</b>	1SBC100173C0201
<b>Instructions and Manuals:</b>	1SBC101020M9701

## Dimensions

<b>Product Net Width:</b>	45 mm
<b>Product Net Depth:</b>	72.5 mm
<b>Product Net Height:</b>	68 mm
<b>Product Net Weight:</b>	0.220 kg

## Technical

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

<b>Rated Operational Current AC-15</b> <b>(I<sub>e</sub>):</b>	(220 / 240 V) 4 A (24 / 127 V) 6 A (400 / 440 V) 3 A (500 V) 2 A (690 V) 2 A
<b>Rated Short-time Withstand Current (I<sub>cw</sub>):</b>	for 0.1 s 140 A for 1 s 100 A
<b>Maximum Electrical Switching Frequency:</b>	AC-15 1200 cycles per hour DC-13 900 cycles per hour
<b>Rated Operational Current DC-13</b> <b>(I<sub>e</sub>):</b>	(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
<b>Rated Insulation Voltage (U<sub>i</sub>):</b>	acc. to UL/CSA 600 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	6 kV
<b>Maximum Mechanical Switching Frequency:</b>	3600 cycles per hour
<b>Rated Control Circuit Voltage (U<sub>c</sub>):</b>	50 Hz 230 V 60 Hz 230 V
<b>Operate Time:</b>	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
<b>Connecting Capacity Auxiliary Circuit:</b>	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 0.75 ... 1.5 mm <sup>2</sup> Rigid 1/2x 0.75 ... 2.5 mm <sup>2</sup>
<b>Connecting Capacity Control Circuit:</b>	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 0.75 ... 1.5 mm <sup>2</sup> Rigid 1/2x 0.75 ... 2.5 mm <sup>2</sup>
<b>Wire Stripping Length:</b>	Auxiliary Circuit 10 mm Control Circuit 10 mm
<b>Degree of Protection:</b>	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
<b>Terminal Type:</b>	Spring Terminals

## Environmental

<b>Ambient Air Temperature:</b>	Close to Contactor for Storage -60 ... +80 °C Near Contactor for Operation in Free Air -40 ... +70 °C
<b>Climatic Withstand:</b>	Category B according to IEC 60947-1 Annex Q

<b>Maximum Operating Altitude</b>	3000 m
<b>Permissible:</b>	
<b>Resistance to Vibrations acc. to IEC 60068-2-6:</b>	5 ... 300 Hz 3 g Closed position / 2 g Open position
<b>Resistance to Shock acc. to IEC 60068-2-27:</b>	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
<b>RoHS Status:</b>	Following EU Directive 2002/95/EC August 18, 2005 and amendment

### Certificates and Declarations (Document Number)

<b>CB Certificate:</b>	CB_CN_32453
<b>CCC Certificate:</b>	CCC_2007010305248106
<b>Declaration of Conformity - CE:</b>	1SBD250016U1000
<b>Environmental Information:</b>	1SBD250159E1000
<b>GOST Certificate:</b>	GOST_POCCCNME77B07821.pdf
<b>Instructions and Manuals:</b>	1SBC101020M9701
<b>RoHS Information:</b>	1SBD251007E1000
<b>UL Certificate:</b>	UL_220108-E312527A

### Container Information

<b>Package Level 1 Units:</b>	1 piece
<b>Package Level 1 Width:</b>	78 mm
<b>Package Level 1 Length:</b>	80 mm
<b>Package Level 1 Height:</b>	48 mm
<b>Package Level 1 Gross Weight:</b>	0.22 kg
<b>Package Level 1 EAN:</b>	3471523009264
<b>Package Level 2 Units:</b>	40 piece
<b>Package Level 2 Width:</b>	250 mm
<b>Package Level 2 Length:</b>	315 mm
<b>Package Level 2 Height:</b>	195 mm
<b>Package Level 2 Gross Weight:</b>	12.500 kg
<b>Package Level 3 Units:</b>	960 piece

### Classifications

<b>Object Classification Code:</b>	K
<b>ETIM 4:</b>	EC000196 - Contactor relay
<b>ETIM 5:</b>	EC000196 - Contactor relay

ETIM 6:

EC000196 - Contactor relay

UNSPSC:

39121500

