



PRODUCT-DETAILS

# NS71E-26

## NS71E-26 230V50/60HZ Contactor Relay



| General Information   |   |
|-----------------------|---|
| Extended Product Type | NS71E-26  |
| Product ID            | 1SBH101001R2671   |
| EAN                   | 3471523004269   |
| Catalog Description   | NS71E-26 230V50/60HZ Contactor Relay  |
| Long Description      | NS... contactor relays are used for switching auxiliary circuits and control circuits. - Poles: 8-pole contactor relays (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 | 1SBC100214C0202 |

## Information

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 1SBC101020M9701 |
| CAD Dimensional Drawing  | 2CDC001079B0201 |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 45 mm    |
| Product Net Depth / Length | 100.2 mm |
| Product Net Height         | 68 mm    |
| Product Net Weight         | 0.26 kg  |

## Technical

|   |  |
|---|--|
| Number of Auxiliary Contacts NO                                   | 7  |
| 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<br>Main Circuit 690 V  |
| Rated Frequency (f)   | Auxiliary Circuit 50 / 60 Hz   |
| Conventional Free-air Thermal Current (I <sub>th</sub> )          | acc. to IEC 60947-5-1, $\Theta = 40^\circ\text{C}$ 10 A  |
| Rated Operational Current AC-15 (I <sub>e</sub> )                 | (500 V) NC 2<br>(500 V) 2 A<br>(690 V) 2 A<br>(24 / 127 V) 6 A<br>(220 / 240 V) 4 A<br>(400 / 440 V) 3 A   |
| Rated Operational Current DC-13 (I <sub>e</sub> )                 | (24 V) 6 A / 144 W<br>(48 V) 2.8 A / 134 W<br>(72 V) 1 A / 72 W<br>(110 V) 0.55 A / 60 W<br>(125 V) 0.55 A / 69 W<br>(220 V) 0.27 A / 60 W<br>(250 V) 0.27 A / 68 W  |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ) | for 0.1 s 140 A<br>for 1 s 100 A   |
| Rated Insulation Voltage (U <sub>i</sub> )                        | acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V<br>acc. to UL/CSA 600 V   |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )               | Auxiliary Circuit 6 kV   |
| Maximum Electrical Switching Frequency                            | (AC-15) 1200 cycles per hour<br>(DC-13) 900 cycles per hour  |
| Maximum Mechanical Switching Frequency                            | 3600 cycles per hour   |
| Rated Control Circuit Voltage (U <sub>c</sub> )                   | 50 Hz 230 V<br>60 Hz 230 V   |
| Operate Time  | Between Coil De-energization and NC Contact Closing 7 ... 22 ms<br>Between Coil De-energization and NO Contact Opening 5 ... 19 ms<br>Between Coil Energization and NC Contact Opening 6 ... 18 ms<br>Between Coil Energization and NO Contact Closing 9 ... 24 ms |
| Connecting Capacity Auxiliary Circuit                             | Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup><br>Rigid 1/2x 0.75 ... 2.5 mm <sup>2</sup>                           |

|  |  |
|--|--|
| Connecting Capacity<br>Control Circuit | Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup><br>Rigid 1/2x 0.75 ... 2.5 mm <sup>2</sup> |
| Wire Stripping Length                  | Auxiliary Circuit 9 mm<br>Control Circuit 9 mm   |
| Degree of Protection                   | acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20<br>acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20  |
| Tightening Torque                      | Auxiliary Circuit 1 N·m<br>Control Circuit 1 N·m   |
| Terminal Type                          | Screw Terminals  |
| Product Name                           | Block Contactor Relay  |

## Technical UL/CSA

|                             |  |
|-----------------------------|--|
| Tightening Torque<br>UL/CSA | Auxiliary Circuit 9 in·lb<br>Control Circuit 9 in·lb |
|-----------------------------|--|

## Environmental

|   |   |
|---|---|
| Ambient Air<br>Temperature                    | Close to Contactor for Storage -60 ... +80 °C<br>Near Contactor for Operation in Free Air -40 ... 70 °C   |
| Climatic Withstand                            | Category B according to IEC 60947-1 Annex Q   |
| Maximum Operating<br>Altitude Permissible     | Without Derating 3000 m   |
| Resistance to Shock acc.<br>to IEC 60068-2-27 | Closed, Shock Direction: C1 19 g<br>Closed, Shock Direction: C2 16 g<br>Open, Shock Direction: C1 8 g<br>Open, Shock Direction: C2 13 g<br>Shock Direction: A 20 g<br>Shock Direction: B1 5 g<br>Shock Direction: B2 15 g |
| Resistance to Vibrations                      | 3g Closed Position & 2g Open Position 5 ... 300 Hz  |

## Material Compliance

|   |  |
|---|--|
| Conflict Minerals<br>Reporting Template<br>(CMRT) | 9AKK108467A5658  |
| REACH Declaration                                 | 2CMT2021-006202  |
| RoHS Information                                  | 2CMT2021-006277  |
| RoHS Status                                       | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances<br>Control Act - TSCA            | 2CMT2023-006525  |
| WEEE B2C / B2B                                    | Business To Business   |
| WEEE Category                                     | 5. Small Equipment (No External Dimension More Than 50 cm)             |

## Certificates and Declarations

|                                    |                      |
|------------------------------------|----------------------|
| CB Certificate                     | CB_CN_32453          |
| CCC Certificate                    | CCC_2007010305248106 |
| CQC Certificate                    | CQC2007010305248106  |
| Declaration of<br>Conformity - CCC | 2020980304001219     |
| Declaration of<br>Conformity - CE  | 1SBD250016U1000      |

|                                     |                           |
|-------------------------------------|---------------------------|
| Declaration of<br>Conformity - UKCA | 1SBD250051U1000           |
| GOST Certificate                    | GOST_POCCCNME77B07821.pdf |
| UL Certificate                      | UL_220108-E312527A        |
| UL Listing Card                     | NOA_E312527.pdf           |

Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | box 1 piece   |
| Package Level 1 Width             | 72 mm         |
| Package Level 1 Depth /<br>Length | 115 mm        |
| Package Level 1 Height            | 48 mm         |
| Package Level 1 Gross<br>Weight   | 0.26 kg       |
| Package Level 1 EAN               | 3471523004269 |
| Package Level 2 Units             | 32 piece      |
| Package Level 2 Width             | 250 mm        |
| Package Level 2 Depth /<br>Length | 315 mm        |
| Package Level 2 Height            | 195 mm        |
| Package Level 2 Gross<br>Weight   | 8.32 kg       |
| Package Level 3 Units             | 768 piece     |

External Classifications and Standards

|                                       |  |
|---------------------------------------|--|
| Object Classification<br>Code         | K                                      |
| ETIM 7                                | EC000196 - Contactor relay             |
| ETIM 8                                | EC000196 - Contactor relay             |
| ETIM 9                                | EC000196 - Contactor relay             |
| eClass                                | V11.0 : 27371001                       |
| UNSPSC                                | 39121529                               |
| IDEA Granular Category<br>Code (IGCC) | 4761 >> Magnet contactor, AC-switching |

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → NS Contactor Relays → NS

