

PRODUCT-DETAILS

NF31E-13

NF31E-13 100-250V50/60HZ-DC Contactor Relay



Información General

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| Tipo de producto extendido | NF31E-13 |
| Código de producto | 1SBH137001R1331 |
| EAN | 3471523100237 |
| Descripción corta | NF31E-13 100-250V50/60HZ-DC Contactor Relay |

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| Descripción larga | <p>NF contactor relays are used for switching auxiliary and control circuits. NF contactor relays include an electronic coil interface accepting a wide control voltage U_c min. ... U_c max. Only four coils cover control voltages between 24...500 V 50/60 Hz or 20...500 V DC. NF contactor relays can manage large control voltage variations. One coil can be used for different control voltages used worldwide without any coil change. NF contactor relays have built-in surge protection and do not require additional surge suppressors. - Poles: 4-pole contactor relays (mechanically-linked auxiliary contacts compliant with Annex L of IEC 60947-5-1 and including the "Mechanically Linked" symbol on the contactor relay side) - Control Circuit: AC or DC operated - Accessories: a wide range of Accessories is available.</p> |
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Clasificación

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| Cantidad mínima de pedido | 1 piece |
| Código arancelario | 85364900 |

Descargas Populares

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| Instrucciones y manuales | 1SBC101027M6801 |
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Dimensiones

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| Ancho del product | 45 mm |
| Largo del product | 77 mm |
| Alto del producto | 86 mm |
| Peso del product | 0.27 kg |

Technical

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| 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 |
| Rated Frequency (f) | Auxiliary 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 (400 / 440 V) 3 A |
| Rated Short-time Withstand Current Low Voltage (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) | (24 V) 6 A / 144 W (48 V) 2.8 A / 134 W (72 V) 1 A / 72 W (110 V) 0.55 A / 60 W (125 V) 0.55 A / 69 W (220 V) 0.27 A / 60 W (250 V) 0.27 A / 68 W (400 V) 0.15 A / 60 W (500 V) 0.13 A / 65 W (600 V) 0.1 A / 60 W |
| 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}) | 6 kV |
| Maximum Mechanical Switching Frequency | 6000 cycles per hour |
| Rated Control Circuit Voltage (U _c) | 50 Hz 100 ... 250 V 60 Hz 100 ... 250 V DC Operation 100 ... 250 V |
| Operate Time | Between Coil De-energization and NC Contact Closing 13 ... 98 ms Between Coil De-energization and NO Contact Opening 11 ... 95 ms Between Coil Energization and NC Contact Opening 38 ... 90 ms Between Coil Energization and NO Contact Closing 40 ... 95 ms |
| Mounting on DIN Rail | TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 |
| Mounting by Screws (not supplied) | 2 x M4 screws placed diagonally |
| Connecting Capacity Auxiliary Circuit | Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Rigid 1/2x 1 ... 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 1 ... 2.5 mm ² |

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| Wire Stripping Length | Auxiliary Circuit 10 mm Control Circuit 10 mm |
| Grado de protección | 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 |

Technical UL/CSA

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| Tightening Torque UL/CSA | Auxiliary Circuit 11 in-lb Control Circuit 11 in-lb |
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Ambiente

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| Temperatura ambiente | 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 | Without Derating 3000 m |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 5 ... 300 Hz 4 g closed position / 2 g open position |
| Resistance to Shock acc. to IEC 60068-2-27 | Closed, Shock Direction: B1 25 g Open, Shock Direction: B1 5 g Shock Direction: A 30 g Shock Direction: B2 15 g Shock Direction: C1 25 g Shock Direction: C2 25 g |
| RoHS Status | Following EU Directive 2011/65/EU |

Certificados y Declaraciones (Número de Documento)

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| ABS Certificate | ABS_20-2060694-PDA |
| BV Certificate | BV_2634H24899B0 |
| CB Certificate | CB_SE-93051M2 |
| CCC Certificate | 2020980303000185 |
| CQC Certificate | CQC2019010303267993 |
| cUL Certificate | UL_20180227_E252354_2_1 |
| Declaration of Conformity - CCC | CQC2011010303465426 |
| Declaración de conformidad - CE | 1SBD250005U1000 |
| DNV Certificate | DNV-GL_TAE00001BV-3 |
| DNV GL Certificate | DNV-GL_TAE00001BV-3 |
| EAC Certificate | EAC_RU C-FR ME77 B03544 |
| Environmental Information | 1SBD250151E1000 1SBC100222M0201 |
| GL Certificate | DNV-GL_TAE00001BV-3 |
| GOST Certificate | GOST_POCCFR.ME77.B06804.pdf |
| Instrucciones y manuales | 1SBC101027M6801 |
| KC Certificate | KC-HW02016-21031A |
| LR Certificate | LRS_C1400038 |
| RINA Certificate | RINA_ELE240318XG |
| RMRS Certificate | RMRS_1802702280 |
| RoHS Information | 1SBD250005U1000 |
| UL Certificate | UL_20130206-E252354-2-1 |
| UL Listing Card | UL_E252354 |

Información de Embalaje

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| Embalaje Nivel 1 Unidades | box 1 piece |
| Embalaje Nivel 1 Ancho | 87 mm |
| Embalaje Nivel 1 Largo | 79 mm |
| Embalaje Nivel 1 Alto | 47 mm |
| Embalaje Nivel 1 Peso | 0.27 kg |
| Embalaje Nivel 1 EAN | 3471523100237 |
| Package Level 2 Units | box 27 piece |
| Package Level 2 Width | 250 mm |
| Package Level 2 Depth / Length | 300 mm |
| Package Level 2 Height | 315 mm |
| Package Level 2 Gross Weight | 14.58 kg |
| Package Level 3 Units | 1296 piece |

Clasificaciones

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| Object Classification Code | K |
| 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) | 3706408 |
| E-Number (Sweden) | 3211452 |

Categorías

Productos y sistemas de baja tensión → Aparatos de control → Contactores → Contactores

