

Product Guide » ABB1SBH136001R2140

NFZ40E-21

Long Description:

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General Information

Extended Product Type: NFZ40E-21 Product ID: 1SBH136001R2140 EAN: 3471523101616 **Catalog Description:** NFZ40E-21 24-60V50/60HZ 20-60VDC Contactor Relay

NFZ contactor relays are used for switching auxiliary and control circuits. NFZ contactor relays include an electronic coil interface accepting a wide control voltage Uc min. ... Uc max. Only four coils cover control voltages between 24...250 V 50/60 Hz or 12...250 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 NFZ contactor relays allow direct control by PLC-output ≥ 24 V DC 500 mA and obtain a reduced holding coil consumption. NFZ contactor relays withstand short voltage dips and voltage sags (SEMI F47-0706 compliance) between 24...250 V 50/60 Hz NFZ contactor relays have built-in surge protection and do not require additional surge suppressors - Poles: 4-pole contactor relays - Control Circuit: AC or DC operated - Accessories: a wide range



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Categories

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

of Accessories is available.

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EAN:	3471523101616
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85369085

Dimensions

Product Net Width:	45 mm
Product Net Depth:	77 mm
Product Net Height:	86 mm
Product Net Weight:	0.310 kg

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	87 mm
Package Level 1 Length:	79 mm
Package Level 1 Height:	47 mm
Package Level 1 Gross Weight:	0.31 kg
Package Level 1 EAN:	3471523101616
Package Level 2 Units:	54 piece
Package Level 3 Units:	1296 piece

Technical

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Number of Auxiliary Contacts NO:	4
Number of Auxiliary Contacts NC:	0
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 acc. to IEC 60947-5-1, $q = 40 \,^{\circ}\text{C}$ 16 A

Current (Ith):

Rated Operational Current AC-15

(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 for 0.1 s 140 A

Maximum Electrical Switching

Frequency: Rated Operational Current DC-13

(l_e):

for 1 s 100 A AC-15 1200 cycles per hour DC-13 900 cycles per hour (110 V) 0.55 A / 60 W (125 V) 0.55 A / 69 W

(220 V) 0.27 A / 60 W (24 V) 6 A / 144 W (250 V) 0.27 A / 68 W (400 V) 0.15 A / 60 W (48 V) 2.8 A / 134 W (500 V) 0.13 A / 65 W (600 V) 0.1 A / 60 W (72 V) 1 A / 72 W

6000 cycles per hour

50 Hz 24...60 V 60 Hz 24...60 V

Rated Insulation Voltage (Ui): 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}):

Maximum Mechanical Switching

Frequency:

Rated Control Circuit Voltage (Uc):

DC Operation 20...60 V Between Coil De-energization and NC Contact Closing 13...98 ms Operate Time: Between Coil De-energization and NO Contact Opening 11...95 ms

Connecting Capacity-Auxiliary Circuit:

Between Coil Energization and NO Contact Closing 40...95 ms Flexible with Ferrule 1/2x 0.75 \dots 2.5 mm² Flexible with Insulated Ferrule 1x $0.75 \dots 2.5 \, \text{mm}^2$ Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm² Riaid 1/2x 1 2.5 mm²

Between Coil Energization and NC Contact Opening 38...90 ms

 $\textbf{Connecting Capacity-Control Circuit:} \ \text{Flexible with Ferrule 1/2x 0.75 ... 2.5 mm}^2$ Flexible with Insulated Ferrule 1x 0.75...2.5 mm² Flexible with Insulated Ferrule 2x 0.75...1.5 mm² Rigid 1/2x 1...2.5 mm² Auxiliary Circuit 10 mm Wire Stripping Length: Control Circuit 10 mm acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20 $\,$ 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 -40 ... +70 $^{\circ}\text{C}$ **Maximum Operating Altitude** Permissible: Resistance to Shock acc. to IEC Closed, Shock Direction: B1 25 g Open, Shock Direction: B1 5 g 60068-2-27: Shock Direction: A 30 g Shock Direction: B 2 15 g Shock Direction: C1 25 g Shock Direction: C2 25 g Resistance to Vibrations acc. to IEC 5...300 Hz 4 g closed position / 2 g open position 60068-2-6: Planned to follow EU Directive 2002/95/EC August 18, 2005 and amendment RoHS Status: after 2008 Q1 Technical UL/CSA Tightening Torque UL/CSA: Auxiliary Circuit 11 in·lb Control Circuit 11 in·lb Certificates and Declarations (Document Number) **CB Certificate:** CB_SE_70920A1M2 CCC Certificate: CCC_2011010303465426 cUL Certificate: UL_20091127-E252354-2-1 Declaration of Conformity - CE: 1SBD250166C2000 **DNV Certificate:** DNV_E11683 **EAC Certificate:** EAC_RU C-FR ME77 B01006 GL Certificate: GL_3786612HH **GOST Certificate:** GOST_POCCFR.ME77.B07174.pdf LR Certificate: LRS_C1400038 RINA_ELE084013XG RINA Certificate: RMRS Certificate: RMRS_1300132124 **RoHS Information:** 1SBD251014E1000 Classifications E-nummer: 3211454 ETIM 5.0: EC000196 - Contactor relay UNSPSC: 39121500 Facebook |
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