



Representative Image

Alternate Catalog No. NF22E-11 Catalog No. 1SBH137001R1122

Description: NF22E-11 24-60V50/60HZ 20-60VDC Contactor Relay

UPC No 3471523100114

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NF contactor relays are used for switching auxiliary and control circuits. NF contactor relays include an electronic coil interface accepting a wide control voltage $U_c \text{ min.} \dots U_c \text{ max.}$ 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. Note: NF..E-11 not suitable for a direct control by PLC-output. NF..E-11 type available in some countries: please consult your ABB representative.

Descriptors

Category	AF Contactors
Block Contactor Type	Contactor Relay

Specifications

Product Type	AF
Object Classification Code	K
Terminal Type	Screw Terminals
Rated Control Circuit Voltage	50 Hz /60 Hz 24 ... 60 V DC Operation 20 ... 60 V
Resistance to Vibrations acc. to IEC 60068-2-6	5 ... 300 Hz 4 g closed position / 2 g open position
Number of Auxiliary Contacts NO	2
RoHS Status	Following EU Directive 2011/65/EU
Reference Ambient Air Temperature	Close to Contactor for Storage °C Near Contactor for Operation in Free Air °C
Rated Operational Voltage	Auxiliary Circuit 690 V Main Circuit 690 V
Number of Auxiliary Contacts NC	2
Tightening Torque UL/CSA	Auxiliary Circuit 11 lA Control Circuit 11 lA
Maximum Operating Altitude Permissible	3000 m
Standards	IEC 60947-5-1 and EN 60947-5-1, UL 508, CSA C22.2 N°14
Conventional Free-air Thermal Current	acc. to IEC 60947-5-1, $q = 40^\circ\text{C}$ 16 A
Rated Operational Current AC-15	(220 / 240 V) 4 A (24 / 127 V) 6 A (500 V) 2 A (690 V) 2 A (400 / 440 V) 3 A
Rated Frequency	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz
Rated Short-time Withstand Current	for 0.1 s A for 1 s A
Maximum Electrical Switching Frequency	AC-15 1200 cycles per hour DC-13 900 cycles per hour
Rated Insulation Voltage	acc. to UL/CSA 600 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V
Maximum Mechanical Switching Frequency	6000 cycles per hour

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