NF22E-13

Products Low Voltage Products and Systems Control Products Contactors Block Contactors

General Information

Extended Product Type:	NF22E-13
Product ID:	1SBH137001R1322
EAN:	3471523100138
Catalog Description:	NF22E-13 100-250V50/60HZ-DC Contactor Relay
Long Description:	NF contactor relays are used for switching auxiliary and control circuits. NF contactor relay s include an electronic coil interface accepting a wide control voltage Uc min. ... Uc max. On ly four coils cover control voltages between 24...500 V 50/60 Hz or 20...500 V DC. NF cont actor 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 contacto r relays (mechanically-linked auxiliary contacts compliant with Annex L of IEC 60947-5-1 an d including the "Mechanically Linked" symbol on the contactor relay side) - Control Circuit: AC or DC operated - Accessories: a wide range of Accessories is available.

Additional Information

ABB Industrial IT Suite:	Control IT
ABS Certificate:	ABS_15-GE1349500-PDA_90682247
Ambient Air Temperature:	Close to Contactor for Storage -60...+80 °C Near Contactor for Operation in Free Air -40 ... +70 °C
Block Contactor Type:	Contactor Relay
CB Certificate:	CB_SE_70920A1M2
CCC Certificate:	CCC_2011010303465426
Climatic Withstand:	Category B according to IEC 60947-1 Annex Q
Coil Voltage Code:	13
Connecting Capacity Auxiliary Circuit:	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm² 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
Connecting Capacity Control Circuit:	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm² 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
Conventional Free-air Thermal Current (I_{th}):	acc. to IEC 60947-5-1, q = 40 °C 16 A
Country of Origin:	France (FR)
Customs Tariff Number:	85364900
Data Sheet, Technical Information:	1SBC101427D0201
Declaration of Conformity - CE:	1SBD250005U1000
Degree of Protection:	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
E-nummer:	3211448
EAC Certificate:	EAC_RU C-FR ME77 B01006
EAN:	3471523100138
EPLAN Catalog Tree:	Electrical engineering / Relays, contactors / Contactors
EPLAN Function Definition:	Coil / Coil, 2 connection points / Coil for power contactor A1_A2 NO contact / NO contact, 2 connection points / NO auxiliary contact 13_14 NC contact / NC contact, 2 connection points / NC auxiliary contact 21_22 NC contact / NC contact, 2 connection points / NC auxiliary contact 31_32 NO contact / NO contact, 2 connection points / NO auxiliary contact 43_44
EPLAN Macro:	9AKK106930A0692

ETIM 4:	EC000196 - Contactor relay
ETIM 5:	EC000196 - Contactor relay
ETIM 6:	EC000196 - Contactor relay
Environmental Information:	1SBD250151E1000
GOST Certificate:	GOST_POCCFR.ME77.B06804.pdf
IIT Publishing Status:	Level 0 - Information enabled
Industrial IT Certification Level:	0
Instructions and Manuals:	1SBC101027M6801
Invoice Description:	NF22E-13 100-250V50/60HZ-DC Contactor Relay
LR Certificate:	LRS_C1400038
Low Coil Consumption:	No
Maximum Electrical Switching Frequency:	AC-15 1200 cycles per hour DC-13 900 cycles per hour
Maximum Mechanical Switching Frequency:	6000 cycles per hour
Maximum Operating Altitude Permissible:	3000 m
Minimum Order Quantity:	1 piece
Mounted Auxiliary Contacts:	2 NO, 2 NC
Mounted Auxiliary Contacts 1st Stack:	2 NO, 2 NC
Mounted Auxiliary Contacts 2nd Stack:	0 NO, 0 NC
Mounting Position:	Max. add-on N.C. auxiliary contacts: see accessory fitting details for a NF contactor relay
Mounting Positions:	1SBC500297F0000
Number of Auxiliary Contacts NC:	2
Number of Auxiliary Contacts NO:	2
Object Classification Code:	K
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
Order Multiple:	1 piece
Package Level 1 EAN:	3471523100138
Package Level 1 Gross Weight:	0.27 kg
Package Level 1 Height:	47 mm
Package Level 1 Length:	79 mm
Package Level 1 Units:	1 piece
Package Level 1 Width:	87 mm
Package Level 2 Height:	315 mm
Package Level 2 Length:	300 mm
Package Level 2 Units:	54 piece
Package Level 2 Width:	250 mm
Package Level 3 Units:	1296 piece
Product Main Type:	NF
Product Name:	Block Contactor Relay
Product Net Depth:	77 mm
Product Net Height:	86 mm
Product Net Weight:	0.270 kg
Product Net Width:	45 mm
Product Packing Type:	Box
RINA Certificate:	RINA_ELE084013XG
RMRS Certificate:	RMRS_1300132124

Rated Control Circuit Voltage (U_c):	50 Hz 100 ... 250 V 60 Hz 100 ... 250 V DC Operation 100 ... 250 V
Rated Frequency (f):	Auxiliary Circuit 50 / 60 Hz
Rated Impulse Withstand Voltage (U_{imp}):	6 kV
Rated Insulation Voltage (U_i):	acc. to UL/CSA 600 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V
Rated Operational Current AC-15 (I_e):	(220 / 240 V) 4 A (24 / 127 V) 6 A (400 / 440 V) 3 A (500 V) 2 A (690 V) 2 A
Rated Operational Current DC-13 (I_e):	(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
Rated Operational Voltage:	Auxiliary Circuit 690 V Main Circuit 690 V
Rated Short-time Withstand Current (I_{cw}):	for 0.1 s 140 A for 1 s 100 A
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
Resistance to Vibrations acc. to IEC 60068-2-6:	5 ... 300 Hz 4 g closed position / 2 g open position
RoHS Date:	20090609
RoHS Information:	1SBD251014E1000
Selling Unit of Measure:	piece
Short Description:	NF22E-13 100-250V50/60HZ-DC Contactor Relay
Standards:	IEC 60947-5-1 and EN 60947-5-1, UL 508, CSA C22.2 N°14
Terminal Type:	Screw Terminals
Tightening Torque:	Auxiliary Circuit 1.2 N·m Control Circuit 1.2 N·m
Tightening Torque UL/CSA:	Auxiliary Circuit 11 in·lb Control Circuit 11 in·lb
UL Certificate:	UL_20130206-E252354-2-1
UL Listing Card:	UL_E252354
UNSPSC:	39121500
Wire Stripping Length:	Auxiliary Circuit 10 mm Control Circuit 10 mm
DNV GL Certificate:	DNV-GL_TAE00001BV

ABB
1 13NO
2 21NC
3 31NC
4 43NO
5 14NO
6 22NC
7 32NC
8 44NO