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PRODUCT-DETAILS

NFZ22E-21 NFZ22E-21 24-60V50/60HZ 20-60VDC Contactor Relay



 Extended Product Type
 NFZ22E-21

 Product ID
 1SBH136001R2122

 EAN
 3471523101715

Catalog Description

NFZ22E-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 (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.

Long Description

Ordering

Minimum Order Quantity 1 piece
Customs Tariff Number 85364900

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Popular Downloads	
Instructions and Manuals	1SBC101027M6801
CAD Dimensional	2CDC001079B0201
Drawing	
Dimensions	
Product Net Width	45 mm
Product Net Depth / Length	77 mm
Product Net Height	86 mm
Product Net Weight	0.31 kg
Technical	
Number of Auxiliary Contacts NO	2
Number of Auxiliary Contacts NC	2
Standards	IEC/EN 60947-1, IEC/EN 60947-5-1, UL 508, CSA C22.2 No. 14-13
Rated Operational Voltage	Auxiliary Circuit 690 V
Rated Frequency (f)	Auxiliary Circuit 50 / 60 Hz Control Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I _{th})	acc. to IEC 60947-5-1, Θ = 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	(24 V) 6 A / 144 W
DC-13 (I _e)	(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 60947-5-1 690 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 24 60 V 60 Hz 24 60 V DC Operation 20 60 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	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 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 1x 0.75 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 1.5 mm ²
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	Rigid Solid 1/2x 1 2.5 Rigid Stranded 1/2x 1 2.5
Connecting Capacity	Flexible with Ferrule 1/2x 0.75 2.5
Control Circuit	Flexible with Insulated Ferrule 1x 0.75 2.5 Flexible with Insulated Ferrule 2x 0.75 1.5
	Rigid Solid 1/2x 1 2.5
Mr. Ov.	Rigid Štranded 1/2x 1 2.5
Wire Stripping Length	Auxiliary Circuit 10 Control Circuit 10
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals
Ferminal Type	Screw Term
Technical UL/CSA	
Connecting Capacity	Rigid Solid 1/2x 18-14 A
Auxiliary Circuit UL/CSA	Rigid Stranded 1/2x 18-14 /
Tightening Torque UL/CSA	Auxiliary Circuit 11 Control Circuit 11
Environmental	
ENVITORIMENTAL Ambient Air Temperature	Close to Contactor for Storage -60 +8
·	Near Contactor for Operation in Free Air -40 7
Climatic Withstand	Category B according to IEC 60947-1 Ann
Maximum Operating Altitude Permissible	Without Derating 30
Resistance to Shock acc.	Closed, Shock Direction: B1
o IEC 60068-2-27	Open, Shock Direction: B Shock Direction: A
	Shock Direction: A Shock Direction: B2
	Shock Direction: C1
Resistance to Vibrations	Shock Direction: C2 4g Closed Position & 2g Open position 5 30
Material Compliance	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A
REACH Declaration	2CMT2021-00
RoHS Information	2CMT2021-00
RoHS Status	Following EU Directive 2011/6
Toxic Substances Control	2CMT2023-00
Act - TSCA WEEE B2C / B2B	Business To Busi
WEEE Category	5. Small Equipment (No External Dimension More Than 50
Table Cologo,	5. Girdin Equipment (1.6 External Strictions of Final Str
Certificates and Declarations	
ABS Certificate	ABS_20-2060694-
BV Certificate	BV_2634H2489
CB Certificate	CB_SE-9305
CCC Certificate	202098030300
CQC Certificate	CQC201901030326
Declaration of Conformity CCC	CQC201101030346
Declaration of Conformity - CE	1SBD250005U
Declaration of Conformity - UKCA	1SBD250036U
DNV Certificate	DNV_TAE00001
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EAC Certificate	EAC_RU C-FR ME77 B03544
GOST Certificate	GOST_POCCFR.ME77.B07174.pdf
KC Certificate	KC-HW02016-21031A
LR Certificate	LRS_LR2003684TA-02
RINA Certificate	RINA_ELE240318XG
RMRS Certificate	RMRS_1802702280
UL Certificate	UL 20180227 E252354 2 1
UL Listing Card	UL E252354

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	87 mm
Package Level 1 Depth / Length	79 mm
Package Level 1 Height	47 mm
Package Level 1 Gross Weight	0.31 kg
Package Level 1 EAN	3471523101715
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	16.74 kg
Package Level 3 Units	1296 piece

Classifications	
Object Classification Code	K
ETIM 4	EC000196 - Contactor relay
ETIM 5	EC000196 - Contactor relay
ETIM 6	EC000196 - Contactor relay
ETIM 7	EC000196 - Contactor relay
ETIM 8	EC000196 - Contactor relay
eClass	V11.0 : 27371001
UNSPSC	39121529
IDEA Granular Category Code (IGCC)	4763 >> Power contactor, DC switching
E-Number (Finland)	3706404
E-Number (Sweden)	3211446

Categories

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