NFZB62E-21

Products Low Voltage Products and Systems Control Products Contactors Block Contactors

General Information

Extended Product Type: NFZB62E-21

Product ID: 1SBH136061R2162

EAN: 3471523105812

Catalog Description: NFZB62E-21 24-60V50/60HZ 20-60VDC Contactor Relay

Long Description: NFZB contactor relays comply with the latest railway rolling stock standards and allow instal lation in passengers or driver cabins for trains frequently operating tunnels or undergrounds. They are used for switching auxiliary and control circuits. Improve the compactness of th e installations thanks to reduced dimension and side-by-side mounting requiring less 15% width (without spacing) from -40 °C up to +70 °C. Meet all main rollling stocks standards: IE C 60947-4-1, IEC 60947-5-1, IEC 60077-1/-2 and applicable parts of EN 50155 standards, shocks and vibration withstand conforming to IEC 61373 cat. 1, class B. Reach the highest levels in fire and smoke behaviour with compliance to European standard EN 45545-2 (HL2 , HL3 hazard levels) in group mounting. Reduce train energy with lighter devices and requir ing 68% less coil energy consumption in operation. Electronic coil interface handling large DC voltage fluctuation voltage, including several Uc DC control voltages used for battery s upply and accepting sinusoïdal AC 50/60 Hz control supplies included inside Ucmin.... Ucm ax voltage range. Max permitted AC 50/60 Hz control voltage must not be exceeded (see te chnical data). Wide range of auxiliary contact blocks for front and side mounting.

Additional Information

ABB Industrial IT Suite:	Control IT
ABB Industry Usage Level 2:	TRA.2 - Railway
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:	21
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:	1SBC100174C0201
Declaration of Conformity - CE:	1SBD250006U1000
EAC Certificate:	EAC_RU C-FR ME77 B01006
EAN:	3471523105812
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 NO contact / NO contact, 2 connection points / NO auxiliary contact 23_24 NO contact / NO contact, 2 connection points / NO auxiliary contact 33_34 NO contact / NO contact, 2 connection points / NO auxiliary contact 43_44 NO contact / NO contact, 2 connection points / NO auxiliary contact 53_54 NC contact / NC contact, 2 connection points / NC auxiliary contact 61_62 NC contact / NC contact, 2 connection points / NC auxiliary contact 71_72 NO contact / NO contact, 2 connection points / NO auxiliary contact 83_84
ETIM 4:	EC000196 - Contactor relay
ETIM 5:	EC000196 - Contactor relay
ETIM 6:	EC000196 - Contactor relay
Environmental Information:	1SBD250167E1000

Fire and Smoke Standards:	EN 45545 (Hazard levels HL2, HL3) NF F 16-101 / NF F 16-102 DIN 5510-2
GOST Certificate:	GOST_POCCFR.ME77.B07174.pdf
IIT Publishing Status:	Level 0 - Information enabled
Industrial IT Certification Level:	0
Instructions and Manuals:	1SBC101037M6801
Invoice Description:	NFZB62E-21 24-60V50/60HZ 20-60VDC Contactor Relay
Low Coil Consumption:	Yes
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 1st Stack:	4 NO, 0 NC
Mounted Auxiliary Contacts 2nd Stack:	2 NO, 2 NC
Mounting Position:	Max. add-on N.C. auxiliary contacts: see accessory fitting details for a NF contactor relay
Number of Auxiliary Contacts NC:	2
Number of Auxiliary Contacts NO:	6
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:	3471523105812
Package Level 1 Gross Weight:	0.37 kg
Package Level 1 Height:	47 mm
Package Level 1 Length:	113 mm
Package Level 1 Units:	1 piece
Package Level 1 Width:	87 mm
Package Level 2 Gross Weight:	14.400 kg
Package Level 2 Height:	315 mm
Package Level 2 Length:	300 mm
Package Level 2 Units:	36 piece
Package Level 2 Width:	250 mm
Package Level 3 Units:	864 piece
Product Main Type:	NF
Product Name:	Block Contactor Relay
Product Net Depth:	86 mm
Product Net Height:	86 mm
Product Net Weight:	0.370 kg
Product Net Width:	45 mm
Product Packing Type:	Box
RMRS Certificate:	RMRS_1300132124
Rated Control Circuit Voltage (U_c):	50 Hz 24 ... 60 V 60 Hz 24 ... 60 V DC Operation 20 ... 60 V
Rated Frequency (f):	Main Circuit 50 / 60 Hz
Rated Impulse Withstand Voltage (U_{imp}):	6 kV

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Rated Insulation Voltage (U_i):	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
Rated Short-time Withstand Current (I_{cw}):	for 0.1 s 140 A for 1 s 100 A
RoHS Date:	20130123
RoHS Information:	1SBD251017E1000
RoHS Status:	Planned to follow EU Directive 2002/95/EC August 18, 2005 and amendment after 2008 Q4
Selling Unit of Measure:	piece
Short Description:	NFZB62E-21 24-60V50/60HZ 20-60VDC Contactor Relay
Terminal Type:	Screw Terminals
Tightening Torque:	Control Circuit 1.2 N·m
UL Certificate:	UL_20130206-E252354-2-1
UL Listing Card:	UL_E252354
UNSPSC:	39121500