



PRODUCT-DETAILS

NFZB22E-21

NFZB22E-21 24-60V50/60HZ 20-60VDC

Contactor Relay



概要信息

产品型号	NFZB22E-21
产品ID	1SBH136061R2122
欧洲商品编号(EAN)	3471523105515
目录说明	NFZB22E-21 24-60V50/60HZ 20-60VDC Contactor Relay

详细描述	The NFZB22E-21 is a contactor relay complying with the latest railway rolling stock standards and allowing installation in passengers or driver cabins for trains frequently operating tunnels or undergrounds. It is used for switching auxiliary and control circuits. These contactor relays: □ include screw terminals for connection with standard ferrules for a safe insertion and wiring of cables. □ improve the compactness of the 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 general and rolling stocks standards: IEC 60947-5-1 and the applicable parts of IEC 60077-1/-2 and EN 50155 standards, shocks and vibration withstand conforming to IEC 61373 cat. 1, class B □ get an electronic coil interface accepting a wide DC control voltage range including the main control supplies e.g. Uc = 24, 33, 48 V DC, as per defined by IEC 60077 (0.7 ... 1.25 Uc operating limits for battery supply) □ 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 requiring 68% less coil energy consumption in operation □ get an electronic coil interface accepting sinusoidal AC 50/60 Hz control supplies included inside U_{cmin}.... U_{cmax} voltage range. Max permitted AC 50/60 Hz control voltage must not be exceeded (see technical data) □ include mechanically-linked auxiliary contacts compliant with Annex L of IEC 60947-5-1 and are side-marked with the "Mechanically Linked" symbol □ include a wide range of auxiliary contact blocks for front and side mounting.
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订货信息

最小起订量	1 piece
海关关税号	85364900

Popular Downloads

数据手册, 技术资料	1SBC100220C0201
说明书和手册	1SBC101027M6801
CAD Dimensional Drawing	2CDC001079B0201

尺寸

产品净宽	45 mm
产品净深	77 mm
产品净高	86 mm
产品净重	0.31 kg

技术参数

辅助触点NO数量	2
辅助触点NC数量	2
标准	IEC/EN 60947-1, IEC/EN 60947-5-1, UL 60947-5-1, CSA C22.2 No. 60947-5-1, IEC 60077-1 (applicable parts), IEC 60077-2 (applicable parts), EN 50155 (applicable parts), TR CU 001/2011, IEC 61373, For compliance confirmation on applicable parts based on your application and combination, please consult your ABB sales representatives.
额定工作电压	Auxiliary Circuit 690 V
额定频率 (f)	Auxiliary Circuit 50 / 60 Hz

	Control Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
额定发热电流（自由空气）(I _{th})	acc. to IEC 60947-5-1, Θ = 40 °C 16 A
额定工作电流 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
额定不间断电流 (I _{cw})	for 0.1 s 140 A for 1 s 100 A
最高电气切换频率	(AC-15) 1200 cycles per hour (DC-13) 900 cycles per hour
额定工作电流 DC-13 (I _e)	(24 V) 6 A / 144 W (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
额定绝缘电压 (U _i)	acc. to IEC 60947-5-1 690 V acc. to UL/CSA 600 V
额定冲击耐受电压 (U _{imp})	6 kV
最高机械切换频率	6000 cycles per hour
额定控制电路电压 (U _c)	50 Hz 24 ... 60 V 60 Hz 24 ... 60 V DC Operation 20 ... 60 V
工作时间	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
安装到DIN导轨上	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
螺钉安装（螺钉须自备）	2 x M4 screws placed diagonally
辅助电路连接容量	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 Rigid Solid 1/2x 1 ... 2.5 mm ² Rigid Stranded 1/2x 1 ... 2.5 mm ²
控制电路连接容量	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 Rigid Solid 1/2x 1 ... 2.5 mm ² Rigid Stranded 1/2x 1 ... 2.5 mm ²
剥线长度	Control Circuit 10 mm
防护等级	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
端子类型	Screw Terminals

UL/CSA适用的技术参数

辅助电路连接容量	Rigid Solid 1/2x 18-14 AWG
UL/CSA	Rigid Stranded 1/2x 18-14 AWG
拧紧力矩UL/CSA	Auxiliary Circuit 11 in·lb Control Circuit 11 in·lb

环境条件

周围环境温度	Close to Contactor for Storage -60 ... +80 °C
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	Near Contactor for Operation in Free Air -40 ... 70 °C
耐候	Category B according to IEC 60947-1 Annex Q
允许的最高工作海拔	Without Derating 3000 m

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS信息	2CMT2021-006277
RoHS状态	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Business
WEEE 类别	5. Small Equipment (No External Dimension More Than 50 cm)

ABB EcoSolutions

产品环境声明 - EPD	1SBD250584E3000
产品中可持续材料含量 (重量%)	Recycled Metal - 28 %
包装中的可持续材料含量 (重量%)	Recycled Cardboard - 86 %
产品寿命终止后的拆解指南	1SBC101080M6801

认证及声明（文件编码）

CB认证	CB_SE-93051M2
CCC认证	CCC_2011010303465426
CQC认证	CQC2019010303267993
Declaration of Conformity - CCC	2020980303000175
符合性声明 - CE	1SBD250006U1000
Declaration of Conformity - UKCA	1SBD250037U1000
EAC认证	EAC_RU C-FR ME77 B01006
GOST认证	GOST_POCCFR.ME77.B07174.pdf
RMRS认证	RMRS_1802702280
UL认证	UL_20180227_E252354_2_1
UL列表卡	UL_E252354

包装信息

1级包装单元	box 1 piece
1级包装宽度	87 mm
1级包装长度	79 mm
1级包装高度	47 mm
1级包装 总重	0.31 kg
1级包装 EAN	3471523105515
2级包装单元	box 27 piece
2级包装宽度	250 mm
2级包装长度	300 mm

2级包装高度	315 mm
2级包装 总重	16.74 kg
3级包装单元	1296 piece

分类

对象分类代码	K
ETIM 7	EC000196 - Contactor relay
ETIM 8	EC000196 - Contactor relay
ETIM 9	EC000196 - Contactor relay
e级	V11.0 : 27371001
UNSPSC	39121529
IDEA 粒度分类代码 (IGCC)	4763 >> Power contactor, DC switching

分类

低压产品及系统 → 控制产品 → 接触器 → 模块化接触器 → NF Contactor Relays

