

PRODUCT-DETAILS

# NFZ40E-23

## NFZ40E-23 100-250V50/60HZ-DC Contactor Relay



### Algemene informatie

Type	NFZ40E-23
Artikelnummer	1SBH136001R2340
EAN	3471523101630
Omschrijving	NFZ40E-23 100-250V50/60HZ-DC Contactor Relay

Omschrijving	<p>NFZ contactor relays are used for switching auxiliary and control circuits. NFZ contactor relays include an electronic coil interface accepting a wide control voltage <math>U_c \text{ min. } \dots U_c \text{ max.}</math> Only four coils cover control voltages between 24...250 V 50/60 Hz or 12...250 V DC. NFZ 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 <math>\geq 24 \text{ V DC } 500 \text{ mA}</math> 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 - Control Circuit: AC or DC operated - Accessories: a wide range of Accessories is available.</p>
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### Ordering

Minimale bestelhoeveelheid	1 stuk
Numer douanetarief	85364900

### Popular Downloads

Instructies en	1SBC101027M6801
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## handleidingen

CAD Dimensional  
Drawing

2CDC001079B0201

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**Dimensions**


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Product netto breedte	45 mm
Product netto diepte	77 mm
Product netto hoogte	86 mm
Product netto gewicht	0.31 kg

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**Technical**


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Aantal hulpcontacten NO	4
Aantal hulpcontacten NC	0
Normen	IEC/EN 60947-1, IEC/EN 60947-5-1, UL 508, CSA C22.2 No. 14-13
Nominaal bedrijfsvoltage	Auxiliary Circuit 690 V
Toegekende frequentie (f)	Auxiliary Circuit 50 / 60 Hz Control Circuit 50 / 60 Hz
Conventionele vrije-lucht thermische stroom ( $I_{th}$ )	acc. to IEC 60947-5-1, $\Theta = 40\text{ }^{\circ}\text{C}$ 16 A
Nominale bedrijfsstroom AC-15 ( $I_{\theta}$ )	(500 V) 2 A (690 V) 2 A (24 / 127 V) 6 A (220 / 240 V) 4 A (400 / 440 V) 3 A
Nominale kortstondige grensstroom ( $I_{cw}$ )	for 0.1 s 140 A for 1 s 100 A
Maximale elektrische schakelfrequentie	(AC-15) 1200 omwentelingen per uur (DC-13) 900 omwentelingen per uur
Nominale bedrijfsstroom DC-13 ( $I_{\theta}$ )	(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
Nominaal isolatievoltage ( $U_i$ )	acc. to IEC 60947-5-1 690 V acc. to UL/CSA 600 V
Nominale impuls grensvoltage ( $U_{imp}$ )	6 kV
Maximale mechanische schakelfrequentie	6000 omwentelingen per uur
Nominale stuurstroomkringspanning ( $U_c$ )	50 Hz 100 ... 250 V 60 Hz 100 ... 250 V DC Operation 100 ... 250 V
Bedieningstijd	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
Montage op 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
Montage door schroeven (niet meegeleverd)	2 x M4 screws placed diagonally
Verbindingscapaciteit hulpcircuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup> Rigid Solid 1/2x 1 ... 2.5 mm <sup>2</sup> Rigid Stranded 1/2x 1 ... 2.5 mm <sup>2</sup>

Verbindingscapaciteit controlecircuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup> Rigid Solid 1/2x 1 ... 2.5 mm <sup>2</sup> Rigid Stranded 1/2x 1 ... 2.5 mm <sup>2</sup>
Kabelstriplengte	Auxiliary Circuit 10 mm Control Circuit 10 mm
Beschermingsgraad	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
Terminaaltype	Schroef

## Technical UL/CSA

Verbindingscapaciteit hulpcircuit UL/CSA	Rigid Solid 1/2x 18-14 AWG Rigid Stranded 1/2x 18-14 AWG
Aanhaalmoment UL/CSA	Auxiliary Circuit 11 in-lb Control Circuit 11 in-lb

## Environmental

Omgevingsluchttemperatu ur	bij schakelaar voor opslag -60 ... +80 °C bij schakelaar voor bedrijf in open lucht -40 ... 70 °C
Klimaatbestendig	Category B according to IEC 60947-1 Annex Q
Maximale werkhogte toegestaan	Without Derating 3000 m
Weerstand tegen trillingen volgens IEC 60068-2-6	5 ... 300 Hz 4 g closed position / 2 g open position
Schokweerstand volgens 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
RoHS-status	Following EU Directive 2011/65/EU

## Certificates and Declarations

ABS-certificaat	ABS_20-2060694-PDA
BV-certificaat	BV_2634H24899C0
CB-certificaat	CB_SE-93051M2
CCC-certificaat	2020980303000185
CQC-certificaat	CQC2019010303267993
Declaration of Conformity - CCC	CQC2011010303465426
Conformiteitsverklaring - CE	1SBD250005U1000
Declaration of Conformity - UKCA	1SBD250036U1000
DNV-certificaat	DNV_TAE00001BV-5
EAC-certificaat	EAC_RU C-FR ME77 B03544
GOST-certificaat	GOST_POCCFR.ME77.B07174.pdf
KC-certificaat	KC-HW02016-21031A
LR-certificaat	LRS_LR2003684TA
RINA-certificaat	RINA_ELE240318XG
RMRS-certificaat	RMRS_1802702280
UL-certificaat	UL_20180227_E252354_2_1
UL-noteringskaart	UL_E252354

## Container Information

Pakketniveau 1 Units	doos 1 stuk
Pakketniveau 1 Breedte	87 mm
Pakketniveau 1 Lengte	79 mm
Pakketniveau 1 Hoogte	47 mm
Pakketniveau 1 Brutogewicht	0.31 kg
Pakketniveau 1 EAN	3471523101630
Pakketniveau 2 Units	doos 27 stuk
Pakketniveau 2 Breedte	250 mm
Pakketniveau 2 Lengte	300 mm
Pakketniveau 2 Hoogte	315 mm
Pakketniveau 2 Brutogewicht	16.74 kg
Pakketniveau 3 Units	1296 stuk

## Classifications

Object classificatiecode	K
ETIM 4	EC000196 - Contactor relay
ETIM 5	EC000196 - Contactor relay
ETIM 6	EC000196 - Hulprelais
ETIM 7	EC000196 - Contactor relay
ETIM 8	EC000196 - Hulprelais
eClass	V11.0 : 27371001
UNSPSC	39121529
IGCC (IDEA granulaire categoriecocode)	4763 >> Power contactor, DC switching
E-Number (Finland)	3706420
E-Number (Sweden)	3211463

## Categorieën

Laagspanningsproducten en -systemen → Control Producten → Magneetschakelaars → Magneetschakelaars

