

PRODUCT-DETAILS

NFZ40EK-23 NFZ40EK-23 100-250V50/60HZ-DC Contactor Relay



General Information

NFZ40EK-23
1SBH136005R2340
3471523153233

Catalog Description

NFZ40EK-23 100-250V50/60HZ-DC Contactor Relay

Long Description

NFZ..K 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. NFZ..K include Push-in Spring terminals. Only one push is all you need for extremely fast wiring: faster than ever installation, easier than ever wiring, reliable as ever connections. - 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) - Accessories: a wide range of accessories is available.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads	
Instructions and Manuals	1SBC101054M6801
CAD Dimensional Drawing	2CDC001079B0201
Dimensions	
Product Net Width	45 mm
Product Net Depth / Length	77 mm
Product Net Height	92.3 mm
Product Net Weight	0.315 kg
Technical	
Number of Auxiliary Contacts NO	4
Number of Auxiliary Contacts NC	0
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 Main 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 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
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

NFZ40EK-23 3

Voltage (U _C) DC Operation 100 250 V DC Operation 100 V DC	Set 100 250 V	Voltage (U_v)			
DC Operation 100 250 V Operate Time Between Coil De-energization and NC Contact Closing 13 98 ms Between Coil De-energization and NC Contact Opening 11 95 ms Between Coil Energization and NC Contact Opening 13 95 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 11 95 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 13 95 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 15 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energizat	Injure 1 Time Between Coil De-energization and NC Contact Opening 13	Setween Coll De-energitation and NC Contact Closing 13 98 ms	Rated Control Circuit	50 Hz 100 250 V	
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- CE	
Declaration of Conformity - UKCA	1SBD250036U1000
DNV Certificate	DNV_TAE00001BV-5
KC Certificate	KC-HW02016-21031A
LR Certificate	LRS_LR2003684TA
RINA Certificate	RINA_ELE240318XG
RMRS Certificate	RMRS_1802702280
UL Certificate	UL 20180227 E252354 2 1

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	93 mm
Package Level 1 Depth / Length	86 mm
Package Level 1 Height	45 mm
Package Level 1 Gross Weight	0.33 kg
Package Level 1 EAN	3471523153233
Package Level 2 Units	box 21 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	14.85 kg
Package Level 3 Units	1080 piece

Classifications	
Object Classification Code	К
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)	3708008

Categories

Low Voltage Products and Systems \rightarrow Control Products \rightarrow Contactors \rightarrow Block Contactors

