



## Alternate Catalog No. NFZ40E-30 Catalog No. 1SBH136001R3040

Description: NFZ40E-30 24VDC Contactor Relay

UPC No 3471523101692

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NFZ contactor relays are used for switching auxiliary and control circuits. NFZ contactor relays with coil 30 include a 24 V DC electronic coil interface with a built-in surge suppression, obtaining a reduced holding coil consumption up to 1.7 W for a low panel energy consumption and a direct control by PLC-output  $\geq$  250 mA 24 V DC, without need of additional interface relay. Only NFZ..-30 contactor relays need to respect the polarity on the coil terminals (A1+ and A2-). - 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.

Descriptors		
Category	AF Contactors	
Block Contactor Type	Contactor Relay	
Specifications		
Product Type	AF	

Product Type	AF
Object Classification Code	K
Terminal Type	Screw Terminals
Rated Control Circuit Voltage	DC Operation 24 V
Resistance to Vibrations acc. to IEC 60068-2-6	5 300 Hz 4 g closed position / 2 g open position
Number of Auxiliary Contacts NO	4
RoHS Status	Following EU Directive 2011/65/EU
Reference Ambient Air Temperature	Close to Contactor for Storage °C Near Contactor for Operation in Free Air °C
Rated Operational Voltage	Auxiliary Circuit 690 V
Number of Auxiliary Contacts NC	0
Maximum Operating Altitude Permissible	3000 m
Conventional Free-air Thermal Current	acc. to IEC 60947-5-1, q = 40 °C 16 A
Rated Operational Current AC-15	(220 / 240 V) 4 A (24 / 127 V) 6 A (500 V) 2 A (690 V) 2 A (400 / 440 V) 3 A
Rated Frequency	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz
Rated Short-time Withstand Current	for 0.1 s A
Maximum Electrical Switching Frequency	AC-15 1200 cycles per hour DC-13 900 cycles per hour
Rated Insulation Voltage	acc. to UL/CSA 600 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V
Maximum Mechanical Switching Frequency	6000 cycles per hour
Operate Time	Between Coil De-energization and NC Contact Closing 22 57 ms Between Coil De-energization and NO Contact Opening 17 29 ms Between Coil Energization and NC Contact Opening 20 35 ms Between Coil Energization and NO Contact Closing 27 53 ms
Secondary Rated Impulse Withstand Voltage	6 kV

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Specifications	
Rated Operational Current DC-13	(125 V) 0.55 A / 69 W (24 V) 6 A / 144 W (250 V) 0.27 A / 68 W (48 V) 2.8 A / 134 W (72 V) 1 A / 72 W (110 V) 0.55 A / 60 W (220 V) 0.27 A / 60 W (400 V) 0.15 A / 60 W (500 V) 0.13 A / 65 W (600 V) 0.1 A / 60 W
Connecting Capacity Control Circuit	Flexible with Ferrule Flexible with Insulated Ferrule Rigid
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 0.75 2.5 m <sup>2</sup> Flexible with Insulated Ferrule 1x 0.75 2.5/2x 0.75 1.5 m <sup>2</sup> Rigid 1/2x 1 2.5 m <sup>2</sup>
Wire Stripping Length	Auxiliary Circuit 10 mm Control Circuit 10 mm
Classifications	
Classifications	

Dimonsions	
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ETIM 5.0	EC000196 - Contactor relay
ETIM 7	EC000196 - Contactor relay
ETIM 6.0	EC000196 - Contactor relay
ETIM 4	EC000196 - Contactor relay

Dimensions		
Product Net Weight	0.43 kg	
Product Net Depth / Length	97 mm	
Product Net Width	45 mm	
Product Net Height	86 mm	

Package Information		
Package Level 1 Width	96 mm	
Package Level 1 Depth / Length	112 mm	
Package Level 1 EAN	3471523101692	
Package Level 1 Units	box 1 piece	
Package Level 2 Height	114 mm	
Package Level 2 Units	box 12 piece	
Package Level 3 Units	576 piece	
Package Level 2 Depth / Length	98 mm	
Package Level 2 Gross Weight	5.7 kg	

Ordering	
Minimum Order Quantity	1

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