

**INDUSTRIAL COMPONENT DATA**

# 1SBH136005R2031 ABB NFZ31EK-20 12-20VDC

Brand: ABB | Manufacturer Part Number: 1SBH136005R2031



|                 |                 |
|-----------------|-----------------|
| Manufacturer    | ABB             |
| MPN / Reference | 1SBH136005R2031 |
| Catalog number  | 136005          |
| Category        | Contactor relay |
| Minimum order   | 1 Pcs           |
| Document ID     | EO-84036A9728   |
| Generated       | 2026-07-31      |

## Product Overview

NFZ31EK-20 12-20VDC

NFZ31EK-20 12-20VDC Contactor Relay

**STRUCTURED PRODUCT DATA**

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

|              |                                      |
|--------------|--------------------------------------|
| Catalog path | ABB > Contactors and overload relays |
|--------------|--------------------------------------|

## Additional Product Information

**Ordering**

Minimum Order Quantity 1 piece

Customs Tariff Number 85364900

**Popular Downloads**

EPLAN Data 9AAC159655\_EPLAN

Data Sheet, Technical Information 1SBC100214C0202

Instructions and Manuals 1SBC101054M6801

Instructions and Manuals (Part 2) 1SAC200017M0002

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 3  
Number of Auxiliary Contacts NC 1  
Number of Poles 4P  
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  
Conventional Free-air Thermal Current (I<sub>th</sub>) acc. to IEC 60947-5-1,  $\theta = 40\text{ °C}$  16 A  
Rated Operational Current AC-15 (I<sub>e</sub>) (500 V) 2 A  
(690 V) 2 A  
(24 / 127 V) 6 A  
(220 / 240 V) 4 A  
(400 / 440 V) 3 A  
Rated Operational Current DC-13 (I<sub>e</sub>) (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 Short-time Withstand Current Low Voltage (I<sub>cw</sub>) for 0.1 s 140 A  
for 1 s 100 A  
Rated Insulation Voltage (U<sub>i</sub>) acc. to IEC 60947-5-1 690 V  
acc. to UL/CSA 600 V  
Rated Impulse Withstand Voltage (U<sub>imp</sub>) 6 kV  
Maximum Electrical Switching Frequency (AC-15) 1200 cycles per hour  
(DC-13) 900 cycles per hour  
Maximum Mechanical Switching Frequency 6000 c...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send ABB / 1SBH136005R2031 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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