

## INDUSTRIAL COMPONENT DATA

## 1SBH131005R8031 ABB NFC31EK-80 Contactor

Brand: ABB | Manufacturer Part Number: 1SBH131005R8031



|                 |                 |
|-----------------|-----------------|
| Manufacturer    | ABB             |
| MPN / Reference | 1SBH131005R8031 |
| Catalog number  | 131005          |
| Category        | Contactor relay |
| Minimum order   | 1 Pcs           |
| Document ID     | EO-A0A8192AE9   |
| Generated       | 2026-08-02      |

## Product Overview

NFC31EK-80 Contactor

NFC31EK-80 220-230V50Hz 230-240V60Hz Contactor Relay

## STRUCTURED PRODUCT DATA

## Technical Specifications

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

## Classification &amp; Catalog Path

Catalog path ABB &gt; Contactors and overload relays

## Additional Product Information

## Ordering

Minimum Order Quantity 1 piece

Customs Tariff Number 85364900

## Popular Downloads

Data Sheet, Technical Information 1SBC100219C0201

Instructions and Manuals 1SBC101061M6801

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 0.306 kg

## Technical

Number of Main Contacts NC 0

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 60947-1, UL 60947-5-1, CSA C22.2 No. 60947-1-13, CSA C22.2 No. 60947-5-1-14

Rated Operational Voltage Auxiliary Circuit 690 V

Main Circuit 690 V

Rated Frequency (f) Auxiliary Circuit 50 / 60 Hz

Control Circuit 50 / 60 Hz

Main 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...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send ABB / 1SBH131005R8031 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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