

INDUSTRIAL COMPONENT DATA

1SBH137005R1331 ABB NF31EK-13 100-250V50/60HZ-DC

Brand: ABB | Manufacturer Part Number: 1SBH137005R1331



Manufacturer	ABB
MPN / Reference	1SBH137005R1331
Catalog number	137005
Category	Contactor relay
Minimum order	1 Pcs
Document ID	EO-CF07F9F124
Generated	2026-08-04

Product Overview

NF31EK-13 100-250V50/60HZ-DC

NF31EK-13 100-250V50/60HZ-DC 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 0.285 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
Control Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I_{th}) acc. to IEC 60947-5-1, $\theta = 40\text{ °C}$ 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 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 Short-time Withstand Current Low Voltage (I_{cw}) for 0.1 s 140 A
for 1 s 100 A
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 Electrical Switching Frequency (AC-15) 1200 cycles per hour
(DC-13) 900 cycles per hour
Maximum Mechanical...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send ABB / 1SBH137005R1331 with the required quantity to info@electricaonline.com or use 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.