

Select your language

- German
- English
- Spanish
- French
- Dutch
- Italian
- Polish
- Czech
- Norwegian Bokmål

Worldwide English

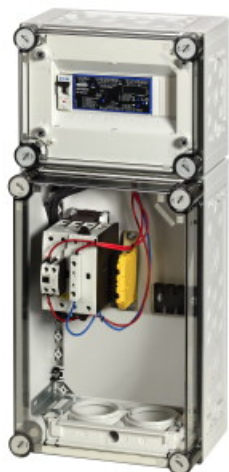


NAS80-CI-2 - Mains and system-protection device combination in the housing, 80A, 4p



198274 NAS80-CI-2

[Overview](#) [Specifications](#) [Resources](#)



198274 NAS80-CI-2

Mains and system-protection device combination in the housing, 80A, 4p
Alternate Catalog No. NAS80-CI-2

The Eaton supply system and system protection complies with the requirements of VDE-AR-N4105, that is mandatory for all generation systems on the low voltage network. The solution ready for connection convinces thanks to the compact dimensions and the minimum energy consumption. It is type tested and suitable for all network types.



• [Delivery program](#)

• [Technical data](#)

• [Design verification as per IEC/EN 61439](#)

• [Technical data ETIM 8.0](#)

• [Dimensions](#)

Delivery program

Product range
Switchgear for renewable energies
Subrange
Mains and system protection
Motor rating
AC-1400 V [F]
55 kVA
Description
Central mains and system protection
NA protection to VDE-AR-N4105

Degree of Protection
IP65
Number of conductors
4-Pole
Connection technique
Screw terminals

Technical data

General

Rated operational voltage [U_b]

400 V AC

Motor rating AC-1400 V [P]

55 kVA

Standards

VDE-AR-N 4105

Ambient temperature Open

-20 - +40 °C

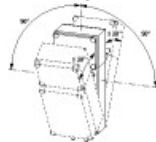
Ambient temperature Enclosed

-20 - +40 °C

Ambient temperature Storage [9]

-40 - +80 °C

Mounting position



Total opening delay

With NA protection relay < 150 ms

Rated duty factor

100 % DF

Terminal capacity main cable Solid

1 x (2,5 - 16) mm²

Terminal capacity main cable Flexible

1 x (2,5 - 35) mm²

Terminal capacity main cable Stranded

1 x (16 - 50) mm²

Terminal capacity PE terminals Solid

1 x (16 - 50) mm²

Terminal capacity PE terminals Flexible

1 x (25 - 50) mm²

Terminal capacity PE terminals Stranded

1 x (25 - 50) mm²

coupler switch

1 x DLMP80(RAC240), article no. 167513

Making capacity (cos ϕ) [Up to 690 V]

700

According to IEC/EN 60947 A

Breaking capacity 380 V 400 V

500 A

Short-circuit protection maximum fuse 400 V [gG/gL 500 V]

125 A

Prospective short-circuit current

100 kA

Changeover time at 100 % U_b (recommended value) Opening delay

45 ms

Rated control voltage [U_c]

230 V AC V

Power consumption of the coil in a cold state and 1.0 x U_b AC operated 50/60 Hz [Pick-up]

45 VA

Power consumption of the coil in a cold state and 1.0 x U_b AC operated 50/60 Hz [Sealing]

1,5 VA

Design verification as per IEC/EN 61439

Operating ambient temperature min.

-20 °C

Operating ambient temperature max.

+40 °C

Technical data ETIM 8.0

Low-voltage industrial components (EG000017) / Accessories/spare parts for low-voltage switch technology (EC002498)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Component for low-voltage switch technology (accessories) (ecl@ss10.0.1-27-37-13-92 [AKN570013])

Type of accessory/spare part

Other

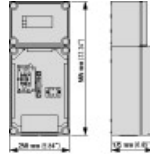
Accessory

Yes

Spare part

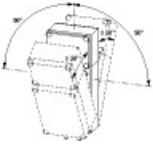
No

Dimensions



3D drawing

- [2800DRW-18](#)
Line drawing



- [2800DRW-7](#)
Line drawing

Product photo



- [NAS63-80-CI-2_C](#)
Photo



- [NAS63-80-CI-2_L](#)
Photo

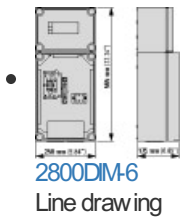


- [NAS63-80-CI-2_LTP](#)
Photo



- [NAS63-80-CI-2_R](#)
Photo

Dimensions single product



Tender text

- [Tender text NAS80-CI-2 \(TT-NAS80-CI-2\)](#)
(Text)

Declaration of Conformity

EU

- [Mains and installation protection combination NAS \(DA-DC-00003916\)](#)
Asset
(PDF)

Instruction Leaflet

- [Mains and system protection: Generation 2 \(IL024003ZU\)](#)
Asset
(PDF, 10/2021, de, en)

CAD data

DWG files

- [DA-CD-nas63_ci_2](#)
File
(Web, Language independent)

Step files

- [DA-CS-nas63_ci_2](#)
File
(Web, Language independent)

Download-Center

- [Download-Center \(this item\)](#)
Eaton EMEA Download-Center - download data for this item
- [Download-Center](#)
Eaton EMEA Download-Center

 [Generate data sheet in PDF format](#)

 [Generate data sheet in Excel format](#)

 [Write a comment](#)

[Imprint](#) [Privacy Policy](#) [Legal Disclaimer](#) [Terms and Conditions](#)

© 2022 by Eaton Industries GmbH