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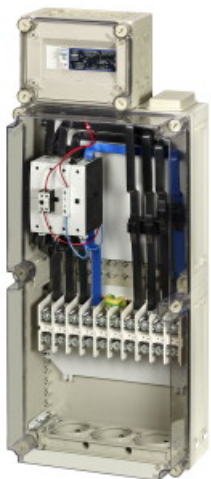


NAS160-CI-2-K95 - Mains and system-protection device combination in the housing, + terminals K95, 160A, 4p



198276 NAS160-CI-2-K95

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



198276 NAS160-CI-2-K95

Mains and system-protection device combination in the housing, + terminals K95, 160A, 4p

Alternate Catalog No.

NAS160-CI-2-K95

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.

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Delivery program

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Technical data

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Design verification as per
IEC/EN 61439

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Technical data ETIM 8.0

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Dimensions

Delivery program

Product range

Switchgear for renewable energies

Subrange

Mains and system protection

Motor rating

AC-1400 V [F]

100 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]

100 kVA

Standards

VDE-AR-N 4105

Ambient temperature Open

-20 - +40 °C

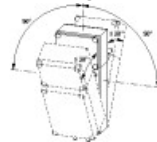
Ambient temperature Enclosed

-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 and PE terminals Cu/Al cable

Cu

☐ Round stranded

☐ Sectoral stranded

☐ Round solid

☐ Sectoral solid

Al

☐ Round solid

☐ Sectoral solid

Terminal capacity, main cable and PE terminals Cu/Al cable

1 x 16 - 95

Terminal capacity, main cable and PE terminals Al cable

Al

☐ Sectoral solid

Terminal capacity, main cable and PE terminals Al cable

1 x 35 - 70

coupler switch

1 x DILMP160(RAC240), article no. 109915

Making capacity (cos ϕ) [Up to 690 V]

1330

According to IEC/EN 60947 A

Breaking capacity 380 V 400 V

950 A

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

250 A

Prospective short-circuit current

100 kA

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

40 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]

180 VA

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

3,1 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

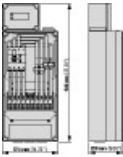
Accessory

Yes

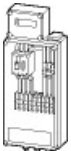
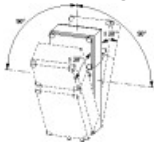
Spare part

No

Dimensions



3D drawing

- 
[2800DRV-19](#)
Line drawing
- 
[2800DRV-7](#)
Line drawing

Product photo

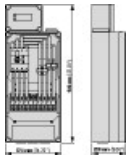
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[NAS125-160-190-Cl-2-K95-150_C](#)
Photo
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Photo
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Photo



[NAS125-160-190-CI-2-K95-150_R](#)

Photo

Dimensions single product



[2800DIM-7](#)

Line drawing

Tender text

- [Tender text NAS160-CI-2-K95 \(TT-NAS160-CI-2-K95\)](#)
(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-nas125_160_ci_1_2_k95](#)
File
(Web, Language independent)

Step files

- [DA-CS-nas125_160_ci_1_2_k95](#)
File
(Web, Language independent)

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