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Worldwide English



Powering Business Worldwide

NAS190-CI-2-K150 - Mains and system-protection device combination in the housing, + terminals K150, 190A, 4p



198277 NAS190-CI-2-K150

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



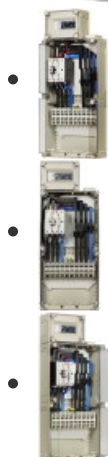
198277 NAS190-CI-2-K150

Mains and system-protection device combination in the housing, + terminals K150, 190A, 4p

Alternate Catalog No.

NAS190-CI-2-K150

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 [P]

131 kVA

Description

Central mains and system protection
NA protection to VDE-AR-N 4105
Degree of Protection
IP65
Number of conductors
4-Pole
Connection technique
Screw terminals

Technical data

General

Rated operational voltage [U_e]

400 V AC

Motor rating AC-1400 V [P]

131 kVA

Standards

VDE-AR-N 4105

Ambient temperature Open

-20 - +40 °C

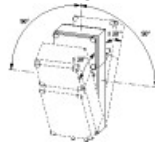
Ambient temperature Enclosed

-20 - +40 °C

Ambient temperature Storage [θ]

-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 35 - 150

Terminal capacity, main cable and PE terminals Al cable

Al

- ☐ Sectoral solid

Terminal capacity, main cable and PE terminals Al cable

1 x 35 - 120

coupler switch

1 x DILMP200(RAC240), article no. 109925

Making capacity ($\cos \phi$) [Up to 690 V]

1800

According to IEC/EN 60947 A

Breaking capacity 380 V 400 V

1150 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_N (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_N AC operated 50/60 Hz [Pick-up]

180 VA

Power consumption of the coil in a cold state and 1.0 x U_N 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

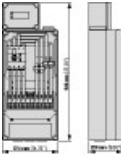
Accessory

Yes

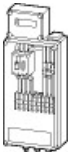
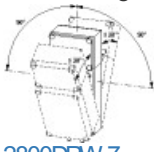
Spare part

No

Dimensions



3D drawing

- 
2800DRW-19
Line drawing
- 
2800DRW-7
Line drawing

Product photo

- 
NAS125-160-190-CI-2-K95-150_C
Photo
- 
NAS125-160-190-CI-2-K95-150_L
Photo
- 
NAS125-160-190-CI-2-K95-150_LTP

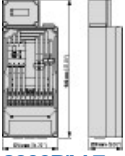
Photo



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

Photo

Dimensions single product



[2800DIM-7](#)

Line drawing

Tender text

- [Tender text NAS190-CI-2-K150 \(TT-NAS190-CI-2-K150\)](#)
(Text)

Instruction Leaflet

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

Declaration of Conformity

EU

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

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