



SENTRON, Fuse switch disconnecter 3NP5, 3-pole, NH3, 630 A, for assembly and installation on mounting plate, with High-speed closing, screw terminal, Fuse monitoring: through 3RV, Auxiliary switch at Switch disconnecter: 1 NO+1 NC, Auxiliary switch at the Fuse monitoring: 1 NO+1 NC

| Model | |
|---|---|
| product brand name | SENTRON |
| product designation | 3NP5 fuse switch disconnecter |
| design of the product | auxiliary switch at the switch disconnecter: 1 NO + 1 NC, auxiliary switch at the fuse monitoring device: 1 NO + 1 NC |
| design of the safety monitoring | by 3RV |
| design of the actuating element | Cover handle |
| design of the load switch strip form | No |
| General technical data | |
| number of poles | 3 |
| size of disconnecting link | NH2, NH3 |
| size of fuse link | NH2, NH3 |
| mounting type | Fixed mounting |
| fuse system | LV HRC fuse |
| Voltage | |
| insulation voltage rated value | 690 V |
| surge voltage resistance rated value | 6 kV |
| operating voltage | |
| • at AC rated value maximum | 690 V |
| • at DC rated value | 440 V |
| Protection class | |
| protection class IP on the front | IP00 |
| Dissipation | |
| power loss [W] for rated value of the current at AC in hot operating state per pole | 13 W |
| Main circuit | |
| operational current rated value | 630 A |
| Suitability | |
| suitability for use main switch | No |
| suitability for use switch disconnecter | Yes |
| suitability for use EMERGENCY OFF switch | No |
| suitability for use safety switch | Yes |
| Product function | |
| product function fuse monitoring | Yes |
| Short circuit | |
| maximum short-circuit current breaking capacity (I _{cu}) at 400 V rated value | 5.04 kA |
| Connections | |
| type of electrical connection | 1x6 - 240 mm ² to 2x6 - 240 mm ² |

- for main current circuit

screw-type terminals

Mechanical Design

| | |
|--|----------------|
| height | 300 mm |
| width | 276 mm |
| depth | 207 mm |
| fastening method | Mounting plate |
| fastening method | |
| <ul style="list-style-type: none"> • floor mounting | Yes |
| <ul style="list-style-type: none"> • rail mounting | No |
| Net Weight | 8.487 kg |

Environmental conditions

| | |
|---|---------|
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature during operation | |
| <ul style="list-style-type: none"> • minimum | -25 °C |
| <ul style="list-style-type: none"> • maximum | 55 °C |
| ambient temperature during storage | |
| <ul style="list-style-type: none"> • minimum | -50 °C |
| <ul style="list-style-type: none"> • maximum | 80 °C |

Approvals Certificates

| | |
|-------------|--------------------------|
| Environment | General Product Approval |
|-------------|--------------------------|

[Environmental Con-
firmations](#)

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firmations](#)



[Miscellaneous](#)



Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3NP5460-0EA86>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3NP5460-0EA86>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP5460-0EA86

CAX-Online-Generator

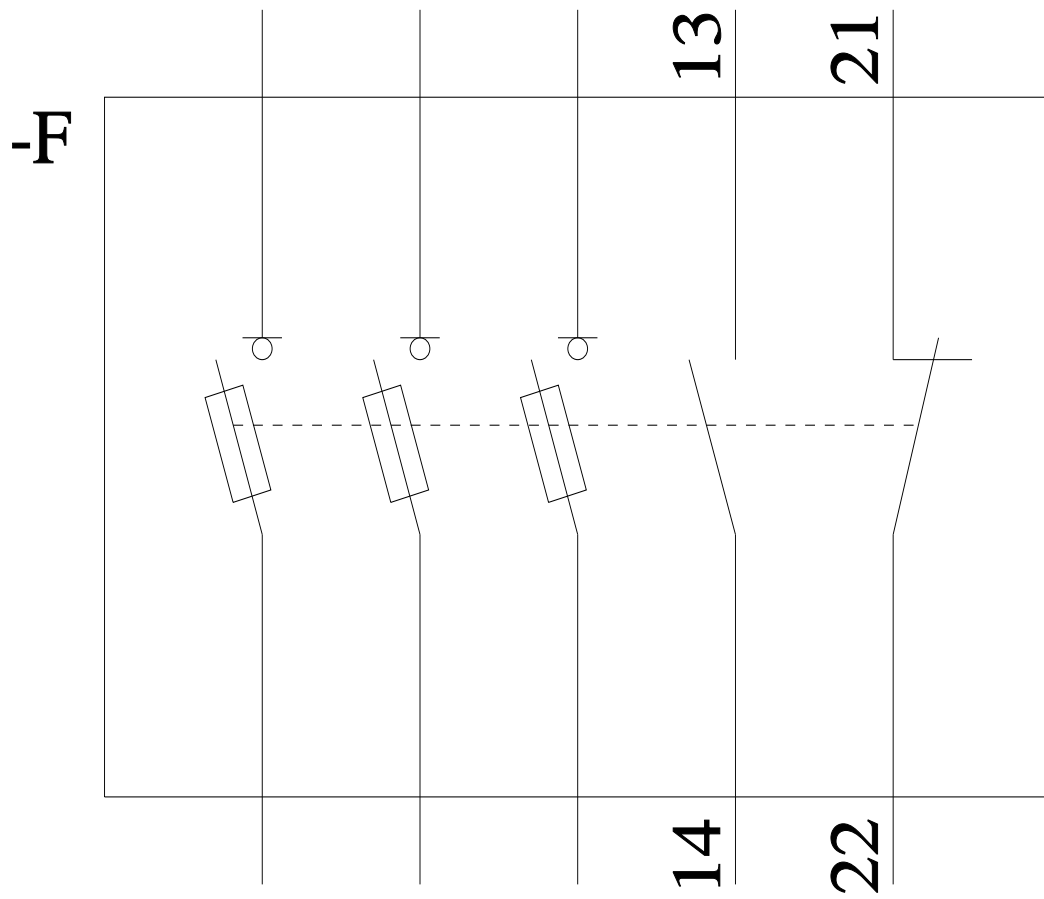
<https://www.siemens.com/cax>

Tender specifications

<https://www.siemens.com/specifications>

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)



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