



SENTRON, Fuse switch disconnecter 3NP5, 3-pole, NH00, 160 A, with Adapter for Busbar system 8US 40 mm, with high-speed closing, screw terminal, Fuse monitoring: through 3VU, Auxiliary switch at Switch disconnecter: 1 NO+1 NC, Auxiliary switch at the Fuse monitoring: 2 NO

| 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: 2 NC |
| design of the safety monitoring   | by 3VU   |
| 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  | NH000, NH00  |
| size of fuse link   | NH000, NH00  |
| mounting type   | Plug-in  |
| 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     | 2.66 W   |
| Main circuit  |  |
| operational current rated value   | 160 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 <sub>cu</sub> ) at 400 V rated value | 1.6 kA   |
| Connections   |  |
| type of electrical connection   | 2.5 - 150 mm <sup>2</sup> DIN 46 234 a. up to 95 mm <sup>2</sup> DIN 46 235                                    |

- for main current circuit

screw-type terminals

### Mechanical Design

|  |          |
|--|----------|
| height   | 196 mm   |
| width  | 134 mm   |
| depth  | 187.5 mm |
| fastening method   | Busbar   |
| fastening method   |          |
| <ul style="list-style-type: none"> <li>• floor mounting</li> </ul> | No       |
| <ul style="list-style-type: none"> <li>• rail mounting</li> </ul>  | Yes      |
| busbar center-to-center spacing                                    | 40 mm    |
| Net Weight   | 2.807 kg |

### Environmental conditions

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

### Approvals Certificates

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

[Environmental Con-  
firmations](#)

[Environmental Con-  
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=3NP5065-1EF26>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NP5065-1EF26>

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

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3NP5065-1EF26](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP5065-1EF26)

#### 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=)





