



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: 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 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 _{cu}) at 400 V rated value	1.6 kA
Connections	
type of electrical connection	2.5 - 150 mm ² DIN 46 234 a. up to 95 mm ² 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	
• floor mounting	No
• rail mounting	Yes
busbar center-to-center spacing	40 mm
Net Weight	2.869 kg

Environmental conditions

installation altitude at height above sea level maximum	2 000 m
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-50 °C
• maximum	80 °C

Approvals Certificates

Environment	General Product Approval
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[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=3NP5065-1EF86>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NP5065-1EF86>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP5065-1EF86

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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