

Switch disconnecter with fuses In-line design, pluggable NH1 250 A, 3-pole Standard switching capacity S manual operation Fuse monitoring EFM 10 1 NO+ 1 NC auxiliary switch on Multifunctional connector 1 current transformer on 1 ammeter, Bimetal 250/1 A, Cl. 1 1, 2-fold overload

Model	
Product brand name	SETRON
version	With double disconnection
Design type	plug-in to busbars with 185mm center-line spacing
Type of ammeter	bimetal
Type of switching contact / double breaking switching contact	Yes
Design of the safety monitoring	EFM 10
Design of the load switch / Strip form	Yes
Type of the driving mechanism	manual operating mechanism

General technical data	
Number of poles	3
Field of application	LINE PROTECTION
Size of disconnecting link	1
Size of fuse link	1
power factor cos phi / in utilization category	
• AC-21 B / at 400 V	0.95
• AC-22 B / at 400 V	0.65
• AC-22 B / at 500 V	0.65
circuit-breaker / Design	3NJ621
Reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750	Q
Fuse system	LV HRC fuse

Voltage	
Rated operational voltage Ue / max.	690 V
Rated insulation voltage Ui	1 000 V
Insulation voltage / rated value	1 000 V
Surge voltage resistance / rated value	8 000 V
Operating voltage	
• at AC / at 50/60 Hz / rated value	690 V

Protection class	
Protection class IP	IP41

Current	
Number of transformers	1
rated current I_n	
• max.	250 A
• at 35 Cel	250 A
• at 40 Cel	238 A
• at 45 Cel	225 A
• at 50 Cel	213 A
Current	
• at output / rated value	1 A
• at input / rated value	250 A
Continuous current / rated value	250 A
Let-through current / $I_2 t$ / maximum permissible / in utilization category	
• AC-21 B / at 400 V	780 000 A ² ·s
• AC-21 B / at 500 V	780 000 A ² ·s
• AC-22 B / at 400 V	780 000 A ² ·s
• AC-22 B / at 500 V	780 000 A ² ·s
Let-through current / I_c / maximum permissible / in utilization category	
• AC-21 B / at 400 V	55 000 A
• AC-21 B / at 500 V	55 000 A
• AC-22 B / at 400 V	55 000 A
• AC-22 B / at 500 V	55 000 A
Accuracy class / of the current transformer	class 1
Auxiliary circuit	
Number of NC contacts / for auxiliary contacts	1
Number of NO contacts / for auxiliary contacts	1
Short circuit	
Maximum short-circuit current breaking capacity (I_{cu}) / at 400 V / rated value	55 kA
Connections	
Type of connection, main circuit	Stud terminal, M12
Type of electrical connection / for main current circuit	stud terminals
Mechanical Design	
Height	99 mm
Width	590 mm
Depth	308 mm
Type of mounting	plug-in version
Mounting type	pluggable
Design of the wiring of the transformer	1 current transformer on 1 ammeter

Busbar center-to-center spacing	185 mm
Busbar center-to-center spacing	
• 40 mm	No
• 50 mm	No
• 60 mm	No
• 100 mm	No
• 185 mm	Yes

Environmental conditions

Installation altitude / at height above sea level / maximum	2 000 m
Ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C

Certificates

Reference code	
• acc. to DIN EN 61346-2	Q

General Product Approval	Declaration of Conformity	Test Certificates	other
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CCC

[Miscellaneous](#)



EG-Konf.

[Type Test Certificates/Test Report](#)

[Miscellaneous](#)

Further information

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3NJ6213-1AB03-2DG1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NJ6213-1AB03-2DG1>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ6213-1AB03-2DG1

CAX-Online-Generator

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

Tender specifications

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