

SETRON, 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: 2 NO



Figure similar

Model	
Product brand name	SETRON
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 type	For assembly and installation with AUX 1 NO + 1 NC/2NO, with high-speed closing and fuse monitoring SUE
Design of the safety monitoring	by 3RV
Design of the operating mechanism	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
Continuous current / at 35 °C / rated value	630 A
power factor cos phi / in utilization category	
• AC-21 B / at 400 V	0.95

<ul style="list-style-type: none"> • AC-21 B / at 500 V 	0.95
<ul style="list-style-type: none"> • AC-22 B / at 400 V 	0.65
<ul style="list-style-type: none"> • AC-22 B / at 500 V 	0.65
circuit-breaker / Design	3NP546
Mounting type	Fixed mounting
Fuse system	LV HRC fuse

Voltage

Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	6 kV
Type of voltage	AC/DC
Operating voltage	
<ul style="list-style-type: none"> • at AC / rated value / maximum 	690 V
<ul style="list-style-type: none"> • at AC / at 50/60 Hz / rated value 	690 V
<ul style="list-style-type: none"> • at DC / rated value 	440 V

Protection class

Protection class IP / on the front	IP00
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Dissipation

Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	13 W
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Current

Current / rated value	630 A
Continuous current	
<ul style="list-style-type: none"> • rated value 	630 A
<ul style="list-style-type: none"> • at 40 °C / rated value 	630 A
<ul style="list-style-type: none"> • at 45 °C / rated value 	617 A
<ul style="list-style-type: none"> • at 50 °C / rated value 	605 A
<ul style="list-style-type: none"> • at 55 °C / rated value 	592 A
<ul style="list-style-type: none"> • at 60 °C / rated value 	567 A
<ul style="list-style-type: none"> • at 65 °C / rated value 	536 A
<ul style="list-style-type: none"> • at 70 °C / rated value 	504 A
Let-through current / I _{2t} / maximum permissible / in utilization category	
<ul style="list-style-type: none"> • AC-21 B / at 400 V 	5 500 000 A ² ·s
<ul style="list-style-type: none"> • AC-21 B / at 500 V 	5 500 000 A ² ·s
<ul style="list-style-type: none"> • AC-22 B / at 400 V 	5 500 000 A ² ·s
<ul style="list-style-type: none"> • AC-22 B / at 500 V 	5 500 000 A ² ·s
Let-through current / I _c / maximum permissible / in utilization category	
<ul style="list-style-type: none"> • AC-21 B / at 400 V 	50 kA
<ul style="list-style-type: none"> • AC-21 B / at 500 V 	50 kA
<ul style="list-style-type: none"> • AC-22 B / at 400 V 	50 kA

- AC-22 B / at 500 V

50 kA

Main circuit

Rated current I_e / maximum / in utilization category

- | | |
|----------------------|-------|
| • AC-21 B / at 400 V | 630 A |
| • AC-21 B / at 500 V | 630 A |
| • AC-22 B / at 400 V | 630 A |
| • AC-22 B / at 500 V | 630 A |

Suitability

Suitability for use system protection

- | | |
|------------------------|-----|
| • Main switch | No |
| • switch disconnector | Yes |
| • EMERGENCY OFF switch | No |
| • 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

Conditional rated short-circuit current / in utilization category

- | | |
|----------------------|-------|
| • AC-21 B / at 400 V | 50 kA |
| • AC-21 B / at 500 V | 50 kA |
| • AC-22 B / at 400 V | 50 kA |
| • AC-22 B / at 500 V | 50 kA |

Connections

Type of electrical connection 1x6 - 240 mm² to 2x6 - 240 mm²

- for main current circuit screw-type terminals

Mechanical Design

Height 300 mm

Width 276 mm

Depth 207 mm

Number of width units 1

Mounting type Mounting plate

Mounting type

- | | |
|------------------|-----|
| • floor mounting | Yes |
| • front mounting | No |
| • rail mounting | No |



Net weight 8 443 g

Environmental conditions

Installation altitude / at height above sea level / maximum	2 000 m
<ul style="list-style-type: none"> during operation during storage 	-25 ... +55 °C -50 ... +80 °C

Certificates

Reference code	
<ul style="list-style-type: none"> acc. to DIN EN 61346-2 acc. to DIN EN 81346-2 	Q Q

General Product Approval	Declaration of Conformity	Test Certificates	other
 CCC	 EG-Konf.	Special Test Certificate	Confirmation 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=3NP5460-0EA26>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
<https://support.industry.siemens.com/cs/ww/en/ps/3NP5460-0EA26>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP5460-0EA26
- CAX-Online-Generator**
<http://www.siemens.com/cax>
- Tender specifications**
<http://www.siemens.com/specifications>

