



Figure similar

FUSE-SWITCH-DISCONNECTOR I = 160 A, U = 690 V,
FOR SURFACE MOUNTING AND INSTALL., FLAT
PAD CONNECTION M8, FUSE SIZE NH00

Model		
product brand name		SENTRON
Product designation		3NP4 fuse switch disconnecter
Design of the product		for assembly and installation, can also be snapped on 35 mm DIN rail, without high-speed closing
Design type		For mounting and installation, snap onto 35mm mounting rail
Design of the operating mechanism		handle unit
Design of the load switch / Strip form		No
General technical data		
Number of poles		3
Size of disconnecting link		00 and 000
Continuous current / at 35 °C / Rated value	A	160
power factor cos phi / in utilization category		
• AC-21 B / at 400 V		0.95
• AC-21 B / at 500 V		0.95
• AC-22 B / at 400 V		0.65
• AC-22 B / at 500 V		0.65
circuit-breaker / Design		3NP407
Mounting type		Fixed mounting
Fuse system		LV HRC fuse
Voltage		
Type of voltage		AC/DC
Insulation voltage / Rated value	V	690
Surge voltage resistance / Rated value	kV	6

Protection class		
Protection class IP / on the front		IP00
Dissipation		
Active power loss		
• maximum	W	10
Electricity		
Current / Rated value	A	160
Continuous current		
• Rated value	A	160
• at 40 °C / Rated value	A	160
• at 45 °C / Rated value	A	160
• at 50 °C / Rated value	A	157
• at 55 °C / Rated value	A	154
• at 60 °C / Rated value	A	139
• at 65 °C / Rated value	A	131
Let-through current / I_{2 t} / maximum permissible / in utilization category		
• AC-21 B / at 400 V	A ² ·s	225 000
• AC-21 B / at 500 V	A ² ·s	225 000
• AC-22 B / at 400 V	A ² ·s	225 000
• AC-22 B / at 500 V	A ² ·s	225 000
Let-through current / I_c / maximum permissible / in utilization category		
• AC-21 B / at 400 V	kA	15
• AC-21 B / at 500 V	kA	15
• AC-22 B / at 400 V	kA	15
• AC-22 B / at 500 V	kA	15
Main circuit		
Operating voltage		
• with AC / at 50/60 Hz / Rated value	V	690
• with AC / Rated value / maximum	V	690
• for DC / Rated value	V	220
Operating current / at AC-21 / Rated value	A	160
Rated current I_e / maximum / in utilization category		
• AC-21 B / at 400 V	A	160
• AC-21 B / at 500 V	A	160
• AC-22 B / at 400 V	A	160
• AC-22 B / at 500 V	A	100
Auxiliary circuit		
Number of CO contacts / for auxiliary contacts		0

Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
Suitability		
Suitability for use		system protection
• Main switch		No
• switch disconnecter		Yes
• EMERGENCY OFF switch		No
• safety switch		Yes
Product function		
Product function / fuse monitoring		No
Short circuit		
Maximum short-circuit current breaking capacity (I _{cu}) / at 400 V / Rated value	kA	0.8
Conditional rated short-circuit current / in utilization category		
• AC-21 B / at 400 V	kA	50
• AC-21 B / at 500 V	kA	50
• AC-22 B / at 400 V	kA	50
• AC-22 B / at 500 V	kA	50
Connections		
Type of electrical connection		Flat-type terminal up to 2x70 mm ²
• for main current circuit		flat connector
Mechanical Design		
Height	mm	170
Width	mm	108
Depth	mm	81.5
Number of width units		1
Mounting type		floor mounting
Mounting type		
• floor mounting		Yes
• front mounting		No
• rail mounting		No
Net weight	g	727
Environmental conditions		
Degree of pollution		3
Installation altitude / at height above sea level / maximum	m	2 000
Ambient temperature		
• during operation / minimum	°C	-25
• during operation / maximum	°C	55

- during storage / minimum
- during storage / maximum

°C	-50
°C	80

Certificates

Equipment marking	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q

General Product Approval	Declaration of Conformity	Test Certificates
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[Special Test Certificate](#)

other

[other](#)

[Confirmation](#)

Further information

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

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

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3NP40700CA01>

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

<http://support.automation.siemens.com/WW/view/en/3NP40700CA01/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3NP40700CA01

CAX-Online-Generator

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

Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>

