## **SIEMENS**

Data sheet 3NP1151-1DA10



SENTRON, fuse switch disconnector 3NP1, 1-pole, NH2, 400 A, for assembly and installation on mounting plate, Flat terminal, cover level  $70 \mathrm{mm}$ 

Model			
product brand name	SENTRON		
product designation	3NP1 fuse switch disconnector		
design of the product	cover level 70 mm		
design of the safety monitoring	Without		
design of the actuating element	Cover handle		
design of the load switch / strip form	No		
type of the driving mechanism / motor drive	No		
General technical data			
number of poles	1		
type of device	For assembly and installation on mounting plate		
size of disconnecting link	2 and 1		
size of fuse link	NH1, NH2		
let-through current / with closed switch / maximum permissible	40 kA		
mechanical service life (switching cycles) / typical	1 000		
power factor			
• at AC-22 B	0.65		
• at AC-23 B	0.35		
with capacitive load	-0.25		
fuse system	LV HRC fuse		
degree of pollution	3		
Voltage			
insulation voltage			
rated value	690 V		
<ul> <li>with degree of pollution 3 / at AC / rated value</li> </ul>	690 V		
with degree of pollution 2 / at AC / rated value	1 000 V		
power factor / at AC-21 B	0.95		
surge voltage resistance / rated value	8 kV		
operating voltage			
<ul><li>at AC / rated value / maximum</li></ul>	240 V		
at DC / rated value	120 V		
at DC / rated value / maximum	120 V		
Protection class			
protection class IP			
<ul> <li>with closed switch / with cover or cable lug cover</li> </ul>	IP40		
<ul> <li>with closed switch / without cover or cable lug cover</li> </ul>	IP30		
• on the front	IP40		
• open	IP20		

Dissipation	
power loss [W]	
with conventional rated thermal current / without fuse / per pole	14 W
with conventional rated thermal current / without fuse / per device	14 W
<ul> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	48 W
of the fuse / per fuse / maximum	34 W
Current	
operational current	
at 35 °C / rated value	400 A
at 40 °C / rated value	400 A
at 45 °C / rated value	392 A
at 45 C / rated value     at 50 °C / rated value	372 A
• at 55 °C / rated value	356 A
at AC / rated value	400 A
• at AC-23 B / at 240 V / rated value	400 A
• at AC-22 B / at 240 V / rated value	400 A
• at AC-21 B / at 240 V / rated value	400 A
• at DC-23 B / at 120 V / rated value	250 A
<ul><li>at DC-22 B / at 120 V / rated value</li></ul>	400 A
• at DC-21 B / at 120 V / rated value	400 A
let-through current / with high-speed activation / maximum permissible	40 kA
Main circuit	
operational current  • rated value	400 A
	72 A
with capacitive load / at 400 V / rated value     with capacitive load / at 500 V / rated value	55 A
with capacitive load / at 500 V / rated value     Auxiliary circuit	33 A
	0
number of CO contacts / for auxiliary contacts	0
number of NC contacts / for auxiliary contacts number of NO contacts / for auxiliary contacts	0
Suitability	
suitability for use	No
main switch     switch disconnector	No You
switch disconnector     EMERCENCY OFF quitch	Yes
EMERGENCY OFF switch     Section witch	No You
safety switch	Yes
maintenance/repair switch  Product details	Yes
Product details	Voc
product feature / interlock	Yes
<ul> <li>product component / trip indicator</li> </ul>	No
<ul> <li>product function / phase failure monitoring</li> </ul>	No
<ul> <li>product component / undervoltage release</li> </ul>	No
product component / undervoltage release with leading contact	No
product feature / sealable	Yes
product extension / auxiliary switch	Yes
product extension / optional	
<ul> <li>locking capability</li> </ul>	Yes
<ul> <li>motor drive</li> </ul>	No
<ul> <li>phase failure monitoring</li> </ul>	No
• fuse monitoring	Yes
<ul> <li>voltage trigger</li> </ul>	No
overvoltage protection monitoring	No
Product function	
product function	
fuse monitoring	No

<ul> <li>overvoltage protection monitoring</li> </ul>		No		
Connections				
arrangement of electrical connectors / for ma circuit	in current	other		
connectable conductor cross-section / for ma	in contacts			
<ul><li>solid or stranded / minimum</li></ul>		25 mm²		
<ul><li>solid or stranded / maximum</li></ul>		240 mm²		
<ul><li>stranded / minimum</li></ul>		25 mm²		
stranded / maximum		240 mm²		
tightening torque / with screw-type terminals				
<ul><li>minimum</li></ul>		10 N⋅m		
• maximum		12 N·m		
type of connectable conductor cross-sections laminated conductors / maximum	s / of the	34 x 18 mm		
type of connection technology		Flat terminal		
type of electrical connection / for main curren	t circuit	busbar connection		
Mechanical Design				
height		306 mm		
width		79.4 mm		
depth		130 mm		
fastening method		mounting plate		
fastening method				
<ul><li>floor mounting</li></ul>		Yes		
<ul> <li>4-hole front mounting</li> </ul>		No		
<ul> <li>front mounting with central attachment</li> </ul>		No		
rail mounting		No		
mounting position		horizontal/vertical		
Environmental conditions				
ambient temperature / during operation				
• minimum		-25 °C		
maximum		55 °C		
ambient temperature / during storage				
• minimum		-50 °C		
maximum		80 °C		
General Product Approval	Declaration of	of Conformity	Test Certificates	

Miscellaneous





UK Declaration of Conformity Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping

other



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=3NP1151-1DA10

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

https://support.industry.siemens.com/cs/ww/en/ps/3NP1151-1DA10

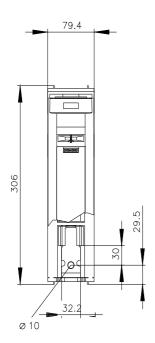
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

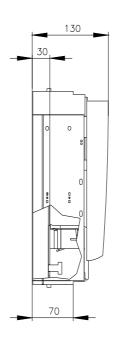
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3NP1151-1DA10

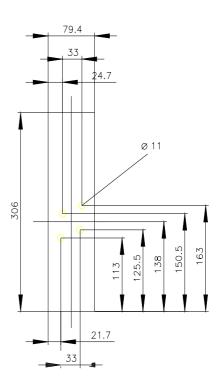
**CAx-Online-Generator** 

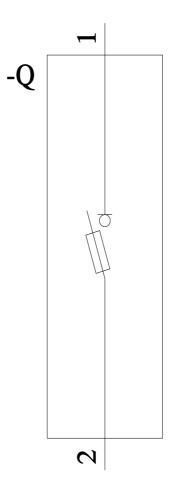
http://www.siemens.com/cax

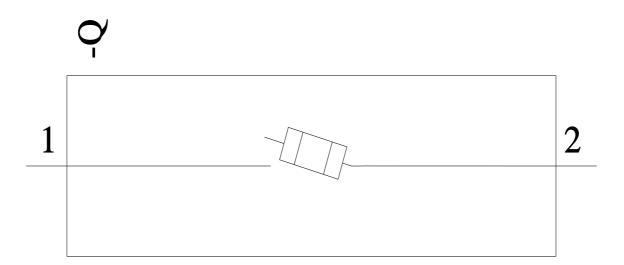
**Tender specifications** 











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