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Data sheet 3NH3031



LV HRC fuse base Sz. 00, 1-pole 160 A 690 V (1000 V) Plug-in connection, 2.2-50 mm2

Model	
product brand name	SENTRON
product designation	LV HRC fuse system
design of the product	LV HRC fuse base
design of the thread of the nut	M8
design of the thread of the connection screw	M8
General technical data	
number of poles	1
size of fuse system according to EN 60269-1	NH00
utilization category	Without
Supply voltage	
supply voltage	
● at AC	690 V
● at DC	440 V
Product details	
product component swivel-in mechanism	No
maximum short-circuit current breaking capacity (Icu)	
● at AC rated value	120 kA
● at DC rated value	25 kA
Connections	
connectable conductor cross-section on saddle-type connector	
● minimum	6 mm²
● maximum	70 mm²
connectable conductor cross-section on terminal strip	
● minimum	1.5 mm²
● maximum	16 mm²
connectable conductor cross-section on box terminal	
● minimum	2.5 mm²
● maximum	50 mm²
connectable conductor cross-section on plug-type connection	
● minimum	2.5 mm²
● maximum	50 mm²
tightening torque of the screw for securing the equipment maximum	2 N·m
tightening torque with screw-type terminals maximum	14 N·m
type of electrical connection	with plug-in terminal
● for main current circuit	tab connection
Mechanical Design	

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height	128 mm
width	34 mm
depth	60 mm
fastening method	fixed mounting
fastening method bus-mounting	No
Net Weight	0.268 kg

Approvals Certificates

Environment		General Product Approval			
Environmental Confirmations	Environmental Confirmations		Confirmation		

Test Certificates	Maritime application	other		
Special Test Certificate		Miscellaneous	Confirmation	

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=3NH3031
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3NH3031
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NH3031
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications
Kennlinien
https://curves.simaris.siemens.com/curves/3NH3031

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