SIEMENS

Data sheet 5SD460



Figure similar

SILIZED fuse link 500 V for semiconductor protection Quick-acting, size DIII, E33, 50A

Model	
product brand name	SENTRON
product designation	SILIZED fuse link
design of the product	for semiconductor protection
design of the fuse link	SILIZED fuse link, DIAZED design
General technical data	
tripping characteristic class	quick-acting (FE)
size of fuse system according to EN 60269-1	DIII
operating class of the fuse link	gR
Supply voltage	
supply voltage	
● at AC	500 V
● at DC	500 V
Protection class	
protection class IP	IP20, with connected conductors
Breaking Capacity	
switching capacity current	
● at AC according to IEC 60947-2 rated value	50 kA
● at DC according to IEC 60947-2 rated value	8 kA
Dissipation	
power loss [W]	18.5 W
power loss [W] for rated value of the current at AC in hot operating state per pole	18.5 W
Appearance	
color coding of the fuse link	others
Product details	
product description	Using screw adapter or adapter sleeves
Mechanical Design	
mounting position	Any, preferably vertical
Net Weight	51 g
Environmental conditions	
ambient temperature during operation	
● minimum	-5 °C
● maximum	40 °C
environmental category	Up to 45°C at 95 % rel. humidity
environmental category during storage	air humidity 90% at 20°C
Approvals Certificates	

Environment	General Product Approval

Subject to change without notice
© Copyright Siemens

Environmental Confirmations

Environmental Confirmations

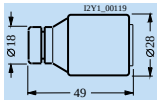
Confirmation

other

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=5SD460
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SD460
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD460
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications
Kennlinien
https://curves.simaris.siemens.com/curves/5SD460



last modified: 4/6/2026

© Copyright Siemens

Subject to change without notice
© Copyright Siemens