

DIAZED fuse link 690 V for cable and line protection Operating class gG Size DIII, E33, 50 A



Model	
product brand name	SENTRON
Product designation	DIAZED fuse
Design of the product	For cable and line protection
Design of the fuse link	DIAZED fuse links
General technical data	
Tripping characteristic class	Other
Size of fuse system / acc. to DIN EN 60269-1	DIII
Operating class of the fuse link	gG
Diken-export / Let-through current	DS_5SD_DIII_690_gG_50
circuit-breaker / Design	5SD8
Supply voltage	
Operating current / at AC / rated value	50 A
Supply voltage	
• at DC	600 V
Protection class	
Protection class IP	IP20, with connected conductors

## Switching capacity

Switching capacity current	
• at DC / acc. to IEC 60947-2 / rated value	8 kA
• acc. to IEC 60947-2 / rated value	50 kA

## Dissipation

Power loss [W]	4.6 W
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	4.6 W

## Current

Tripping residual / rated value / derated current / at 40 Cel	47.5 A
Diken-export / Let-through energy	DE_5SD_DIII_690_gG_50

## Appearance

Color coding of the fuse link	white
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## Product details

product description	Using screw adapter or adapter sleeves
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## Mechanical Design

mounting position	Any, preferably vertical
net weight	79 g

## Environmental conditions

Ambient temperature	
• minimum	-5 °C
• maximum	40 °C
Ambient temperature / during storage	Air humidity 90% at 20 °C
Environmental category	Up to 45°C at 95 % rel. humidity

## Certificates

• reference code / acc. to DIN EN 61346-2	F
• Reference code / acc. to DIN EN 81346-2	F

Declaration of Conformity	Test Certificates	other
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EG-Konf.

[Type Test Certificates/Test Report](#)

[Environmental Confirmations](#)

## 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=5SD8050>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/5SD8050>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SD8050](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD8050)

CAX-Online-Generator  
<http://www.siemens.com/cax>

Tender specifications  
<http://www.siemens.com/specifications>

