

**Data sheet | Item number: 792-804**

Surge suppression module for signal technology; Nominal voltage: 48 VDC;  
for 2 signal paths with common surge arrester; for symmetric interfaces;  
Two-stage; Width: 6 mm; 2,50 mm<sup>2</sup>



[www.wago.com/792-804](http://www.wago.com/792-804)



Subject to changes. Please also observe the further product documentation!

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## Item description

### Short description:

Provides surge protection for IT systems and devices in the voltage range up to 60 V (except custom solutions, e.g., telephone systems with ringing voltage).

Overvoltage protection is also possible for DIN-35 rail-mount terminal blocks. Multi-stage surge arresters in rail-mount terminal blocks (792-80x Series) of just 6 mm width ensure cost-effective protection for control and bus technology (e.g., LON<sup>®</sup> network, PROFIBUS network, binary signals).

### Features:

- Protect your system against overvoltage
- Slim, space-saving design
- Control operational costs by preventing expensive, unplanned downtime

—  
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- High operational reliability and system uptime

## Data Notes

Note	The coordination characteristics of the surge arrester provide information about its discharge capacity and protection capability.
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## Electrical data

Nominal operating voltage	DC 48 V
Highest continuous voltage	AC 38.5 V / DC 55 V
Nominal current	1.7 A
Nominal discharge current (8/20 $\mu$ s) (line)	5 kA
Nominal discharge current (8/20 $\mu$ s) (total)	10 kA
Protection level (line/line) (cat. C2 at $I_N$ )	$\leq 100$ V
Protection level (line/protected ground) (cat. C2 at $I_N$ )	$\leq 750$ V
Protection level (line/line) (cat. C3 at $I_N$ )	$\leq 70$ V
Protection level (line/protected ground) (cat. C3 at $I_N$ )	$\leq 650$ V
Limit frequency (line/line)	10 MHz
Impedance	0.4 $\Omega$

## Safety and protection

Protection type	IP00; IP20 with end and intermediate plate
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## Connection data

Connections (number)	5
Connection technology	CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inches

## Physical data

Width	6 mm / 0.236 inches
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Height from upper-edge of DIN-rail	56 mm / 2.205 inches
Depth	91 mm / 3.583 inches

### Mechanical Data

Mounting type	DIN-35 rail DIN-35 rail
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### Material Data

Weight	37 g
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### Environmental requirements

Ambient temperature (operation)	-40 ... +80 °C
Ambient temperature (storage)	-40 ... +80 °C

### Standards and specifications

Standards/specifications	IEC 61643-21 IEC 61643-21
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### Commercial data

Product Group	21 (Special Products Electronic)
eCl@ss 10.0	27-13-08-05
eCl@ss 9.0	27-13-08-05
ETIM 8.0	EC000943
ETIM 7.0	EC000943
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4017332780773
Customs tariff number	85363010900

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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### Approvals / Certificates

#### General approvals

Certificate

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Logo	Approval	Additional Approval Text	name
	<b>EAC</b> Brjansker Zertifizierungsstelle	TP TC 004/2011	EAC RU C-DE.AM02.B.00122/19

#### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>EU-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-

#### Optional accessories

##### End plate

Intermediate plate		
	<b>Item no.: 859-525</b> End and intermediate plate; 1 mm thick; gray	<a href="http://www.wago.com/859-525">www.wago.com/859-525</a>

##### Jumpers

Jumper		
	<b>Item no.: 859-404/000-005</b> Jumper; for jumper slot; 4-way; insulated; red	<a href="http://www.wago.com/859-404/000-005">www.wago.com/859-404/000-005</a>
	<b>Item no.: 859-404/000-006</b> Jumper; for jumper slot; 4-way; insulated; blue	<a href="http://www.wago.com/859-404/000-006">www.wago.com/859-404/000-006</a>
	<b>Item no.: 859-405/000-005</b> Jumper; for jumper slot; 5-way; insulated; red	<a href="http://www.wago.com/859-405/000-005">www.wago.com/859-405/000-005</a>
	<b>Item no.: 859-405/000-029</b> Jumper; for jumper slot; 5-way; insulated; yellow	<a href="http://www.wago.com/859-405/000-029">www.wago.com/859-405/000-029</a>
	<b>Item no.: 859-405</b> Jumper; for jumper slot; 5-way; insulated; light gray	<a href="http://www.wago.com/859-405">www.wago.com/859-405</a>
	<b>Item no.: 859-404/000-029</b> Jumper; for jumper slot; 4-way; insulated; yellow	<a href="http://www.wago.com/859-404/000-029">www.wago.com/859-404/000-029</a>
	<b>Item no.: 859-405/000-006</b> Jumper; for jumper slot; 5-way; insulated; blue	<a href="http://www.wago.com/859-405/000-006">www.wago.com/859-405/000-006</a>

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<b>Item no.: 859-406/000-005</b> Jumper; for jumper slot; 6-way; insulated; red	<a href="http://www.wago.com/859-406/000-005">www.wago.com/859-406/000-005</a>
<b>Item no.: 859-409/000-029</b> Jumper; for jumper slot; 9-way; insulated; yellow	<a href="http://www.wago.com/859-409/000-029">www.wago.com/859-409/000-029</a>
<b>Item no.: 859-410/000-005</b> Jumper; for jumper slot; 10-way; insulated; red	<a href="http://www.wago.com/859-410/000-005">www.wago.com/859-410/000-005</a>
<b>Item no.: 859-410/000-029</b> Jumper; for jumper slot; 10-way; insulated; yellow	<a href="http://www.wago.com/859-410/000-029">www.wago.com/859-410/000-029</a>
<b>Item no.: 859-410</b> Jumper; for jumper slot; 10-way; insulated; light gray	<a href="http://www.wago.com/859-410">www.wago.com/859-410</a>
<b>Item no.: 859-410/000-006</b> Jumper; for jumper slot; 10-way; insulated; blue	<a href="http://www.wago.com/859-410/000-006">www.wago.com/859-410/000-006</a>
<b>Item no.: 859-403/000-005</b> Jumper; for jumper slot; 3-way; insulated; red	<a href="http://www.wago.com/859-403/000-005">www.wago.com/859-403/000-005</a>
<b>Item no.: 859-402/000-029</b> Jumper; for jumper slot; 2-way; insulated; yellow	<a href="http://www.wago.com/859-402/000-029">www.wago.com/859-402/000-029</a>
<b>Item no.: 859-403/000-029</b> Jumper; for jumper slot; 3-way; insulated; yellow	<a href="http://www.wago.com/859-403/000-029">www.wago.com/859-403/000-029</a>
<b>Item no.: 859-403/000-006</b> Jumper; for jumper slot; 3-way; insulated; blue	<a href="http://www.wago.com/859-403/000-006">www.wago.com/859-403/000-006</a>
<b>Item no.: 859-408/000-005</b> Jumper; for jumper slot; 8-way; insulated; red	<a href="http://www.wago.com/859-408/000-005">www.wago.com/859-408/000-005</a>
<b>Item no.: 859-408/000-029</b> Jumper; for jumper slot; 8-way; insulated; yellow	<a href="http://www.wago.com/859-408/000-029">www.wago.com/859-408/000-029</a>
<b>Item no.: 859-409</b> Jumper; for jumper slot; 9-way; insulated; light gray	<a href="http://www.wago.com/859-409">www.wago.com/859-409</a>
<b>Item no.: 859-408/000-006</b> Jumper; for jumper slot; 8-way; insulated; blue	<a href="http://www.wago.com/859-408/000-006">www.wago.com/859-408/000-006</a>

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**Item no.: 859-403**

Jumper; for jumper slot; 3-way; insulated; light gray

[www.wago.com/859-403](http://www.wago.com/859-403)

**Item no.: 859-409/000-005**

Jumper; for jumper slot; 9-way; insulated; red

[www.wago.com/859-409/000-005](http://www.wago.com/859-409/000-005)

**Item no.: 859-404**

Jumper; for jumper slot; 4-way; insulated; light gray

[www.wago.com/859-404](http://www.wago.com/859-404)

**Item no.: 859-409/000-006**

Jumper; for jumper slot; 9-way; insulated; blue

[www.wago.com/859-409/000-006](http://www.wago.com/859-409/000-006)

**Item no.: 859-402/000-006**

Jumper; for jumper slot; 2-way; insulated; blue

[www.wago.com/859-402/000-006](http://www.wago.com/859-402/000-006)

**Item no.: 859-402**

Jumper; for jumper slot; 2-way; insulated; light gray

[www.wago.com/859-402](http://www.wago.com/859-402)

**Item no.: 859-402/000-005**

Jumper; for jumper slot; 2-way; insulated; red

[www.wago.com/859-402/000-005](http://www.wago.com/859-402/000-005)

**Item no.: 859-406/000-006**

Jumper; for jumper slot; 6-way; insulated; blue

[www.wago.com/859-406/000-006](http://www.wago.com/859-406/000-006)

**Item no.: 859-406/000-029**

Jumper; for jumper slot; 6-way; insulated; signal yellow

[www.wago.com/859-406/000-029](http://www.wago.com/859-406/000-029)

**Item no.: 859-407/000-006**

Jumper; for jumper slot; 7-way; insulated; blue

[www.wago.com/859-407/000-006](http://www.wago.com/859-407/000-006)

**Item no.: 859-407/000-005**

Jumper; for jumper slot; 7-way; insulated; red

[www.wago.com/859-407/000-005](http://www.wago.com/859-407/000-005)

**Item no.: 859-407/000-029**

Jumper; for jumper slot; 7-way; insulated; yellow

[www.wago.com/859-407/000-029](http://www.wago.com/859-407/000-029)

**Item no.: 859-407**

Jumper; for jumper slot; 7-way; insulated; light gray

[www.wago.com/859-407](http://www.wago.com/859-407)

#### Marking accessories

Marking device

**Item no.: 210-110**

Fiber-tip pen

[www.wago.com/210-110](http://www.wago.com/210-110)

Marker

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**Item no.: 2009-145**Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white [www.wago.com/2009-145](http://www.wago.com/2009-145)**Item no.: 248-451**Mini-WSB marking card; as card; MARKED; K11 - K20 (10x); not stretchable; Horizontal marking; snap-on type; white [www.wago.com/248-451](http://www.wago.com/248-451)**Item no.: 248-455**Mini-WSB marking card; as card; MARKED; U 100 (10x); not stretchable; Horizontal marking; snap-on type; white [www.wago.com/248-455](http://www.wago.com/248-455)**Item no.: 248-450**Mini-WSB marking card; as card; MARKED; K1 - K10 (10x); not stretchable; Horizontal marking; snap-on type; white [www.wago.com/248-450](http://www.wago.com/248-450)**Item no.: 248-452**Mini-WSB marking card; as card; MARKED; K (100x); not stretchable; Horizontal marking; snap-on type; white [www.wago.com/248-452](http://www.wago.com/248-452)**Item no.: 248-453**Mini-WSB marking card; as card; MARKED; U1, ... U10 (10x); not stretchable; Horizontal marking; snap-on type; white [www.wago.com/248-453](http://www.wago.com/248-453)**Item no.: 248-454**Mini-WSB marking card; as card; MARKED; U11 - U20 (10x); not stretchable; Horizontal marking; snap-on type; white [www.wago.com/248-454](http://www.wago.com/248-454)**Item no.: 248-566**Mini-WSB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white [www.wago.com/248-566](http://www.wago.com/248-566)**Item no.: 248-501**Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white [www.wago.com/248-501](http://www.wago.com/248-501)**Item no.: 248-504**Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white [www.wago.com/248-504](http://www.wago.com/248-504)**Tool**

Operating tool

**Item no.: 210-720**Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured [www.wago.com/210-720](http://www.wago.com/210-720)**Downloads****Documentation****Bid Text**

792-804 X81 - Datei	2019 年2月19 日	xml 4.5 kB	Download
792-804 doc - Datei	2015 年7月23 日	doc 28.2 kB	Download

**Additional Information**

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## CAD/CAE-Data

### CAE data

EPLAN Data Portal 792-804	URL	Download
WSCAD Universe 792-804	URL	Download
ZUKEN Portal 792-804	URL	Download

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### CAD data

2D/3D Models 792-804	URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 792-804	URL	Download
Surge suppression module for signal technology; Nominal voltage: 48 VDC; for 2 signal paths with common surge arrester; for symmetric interfaces; Two-stage; Width: 6 mm; 2,50 mm <sup>2</sup>		

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## Installation Notes

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