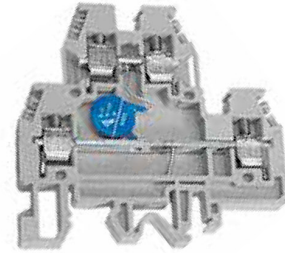


## With electronic components

- two and three level circuits with varistor
- with cross-connection possibility on lower level
- protection against overvoltage, transistor, pulse jamming
- class D protection according to DIN VDE 0675
- overvoltage category <2.5 kV, I (acc. to DIN VDE 0110.1)
- available in grey and beige



The **DAS.4V...** terminal blocks with varistor inserted as in **diagram 1**, limit voltage peaks due to surges, indirect atmospheric discharges and switching of inductive loads, and enable the equipment to pass the tests on immunity to electromagnetic interferences defined by the EN 61000-4-2 (Electrostatic discharge), EN 61000-4-4 (Fast Transient/Burst) and EN 61000-4-5 (Surge Test) Standards.

Varistors have an intervention time (20-25 ns) much longer than the intervention time of suppressor diodes (<1 ns) and a higher intervention voltage, but compared to these withstand higher discharge currents. The high discharge current makes them suitable for use in the presence of strong transients, with currents of up to 4500 A impulse 8/20 s.

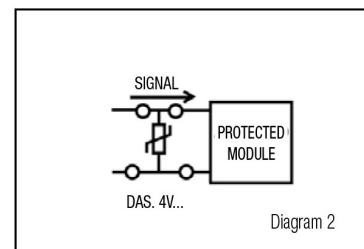
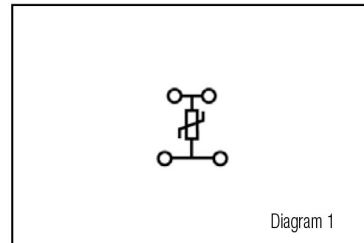
The range of models available makes it possible to choose between nominal voltages suitable for protecting both signals and power supplies with standard voltages of 24 V DC, 48 V DC, or for power supply voltages of 120 V AC and 230 V AC.

The **DAS.4V...** connected as in **diagram 2** is an effective protection against differential mode interferences for industrial PLC, DCS, PC inputs and outputs, signal conditioners and sensors, and also for power supplies of electronic equipment in general.

The **DAS.4V...** does not have a signal wiring direction to be observed, as also the connection of the positive and negative polarities can be made either on the lower or the upper level.

The **/GR** tag indicates the grey version.

grey version	DAS.4/V.../GR
beige version	DAS.4/V...
<b>TECHNICAL CHARACTERISTICS</b>	
function/type	diagram 4
rated cross-section (mm <sup>2</sup> )	0.2-6
connecting capacity	0.2-6
flexible (mm <sup>2</sup> )	4-WP40/16
rigid (mm <sup>2</sup> )	630 V / 32 A / A4 (*)
max. flexible with ferrule (mm) - ferrule type	-
rated voltage / rated current / gauge conf. to IEC 60947-7-1	8 KV / 3
rated voltage / rated current / AWG / tightening torque value UL	9
rated impulse withstand voltage / pollution degree	0.5 / 1.2
insulation stripping length (mm)	62 / 64 / 6
tightening torque value (test / max) (Nm)	70 / 64 / 6
height / width / thickness TH/35 7.5 mm	66 / 64 / 6
height / width / thickness TH/35 15 mm	
height / width / thickness G32	



## APPROVALS



TECHNICAL DATA	DAS.4/V24/GR	DAS.4/V48/GR	DAS.4/V120/GR	DAS.4/V230/GR
	Cat. No. DSV024GR	Cat. No. DSV048GR	Cat. No. DSV120GR	Cat. No. DSV230GR
	DAS.4/V24	DAS.4/V48	DAS.4/V120	DAS.4/V230
	Cat. No. DSV024	Cat. No. DSV048	Cat. No. DSV120	Cat. No. DSV230
Rated voltage	24	48	120	230
Vdc max. (Vcc)	31	85	180	350
Vac max.	25 V AC	60 V AC	140 V AC	275 V AC
Breakdown voltage(1 mA)	39 V ± 10%	100 V ± 10%	220 V ± 10%	430 V ± 10%
Max clamping voltage (V)	77 V	165 V	360 V	710 V
Response time	< 25 ns	< 25 ns	< 25 ns	< 25 ns
ISC pulse /20 μs (A)	500	2500	2500	2500
C (1 kHz)	4600 pF	1650 pF	610 pF	320 pF