

	VIDEO OVERVOLTAGE LIMITER OPV-1LA	VIDEO OVERVOLTAGE LIMITER OPV-4	VIDEO OVERVOLTAGE LIMITER OPV-16/RACK	OVERVOLTAGE PROTECTION MODULE AWZ-540	POWER OVERVOLTAGE LIMITER OPZ-12	SPEED DOME CAMERAS OVERVOLTAGE LIMITER OPSD-5
						
	14.10 EUR 14.10 EUR	4.54 EUR 4.54 EUR	110.35 EUR 110.35 EUR	11.96 EUR 11.96 EUR	8.93 EUR 8.93 EUR	22.76 EUR 22.76 EUR
Rated voltage	...	...	...	...	12 V DC	...
Maximum working DC voltage	...	...	...	...	15 V DC	...
Power voltage	...	...	...	9 ... 40 V DC	...	...
Rated current	...	...	...	...	1 A	...
Output voltage	...	...	...	9 ... 14.1 V DC	...	...
DC cut-off voltage	...	...	...	14.1 V $\pm$ 2 %	...	...
Maximal current	...	...	...	4 A	...	...
Standard	...	...	...	...	...	• AHD - 5 Mpx • HD-CVI - 8 Mpx 4K UHD • HD-TVI - 5 Mpx • CVBS - PAL / NTSC
Standard	• AHD - 5 Mpx • HD-CVI - 8 Mpx 4K UHD • HD-TVI - 5 Mpx • CVBS - PAL / NTSC	• AHD - 5 Mpx • HD-CVI - 8 Mpx 4K UHD • HD-TVI - 5 Mpx NTSC • CVBS - PAL / NTSC	• AHD - 5 Mpx • HD-CVI - 8 Mpx 4K UHD • HD-TVI - 5 Mpx • CVBS - PAL / NTSC	...	...	...
Protected line	Coaxial	...	...	...	...	...
Protection level	...	700 V (1000V/uS)	...	...	700 V (8/20µs)	...
Device protects	...	...	...	...	...	• Video line (asymmetric or symmetric signal) • RS-485 • Power supply 12V DC • Power supply 24V AC
Protect resistance	...	> 20 GΩ	...	...	...	...
LED indication	...	...	...	✓	...	...
Insertion loss	0.3 dB	0.3 dB	0.3 dB	...	...	...
Bandwidth	0 ... 140 MHz	0 ... 160 MHz	0 ... 140 MHz	...	...	...
Grounding	Indirect, via inserted cable	indirect, via Gas Spark Arrester and grounding bolt	Indirect, via inserted cable	...	indirect, via grounding bolt	...
Number of channels	...	4	16	...	...	...
Input socket type	BNC socket	BNC socket	BNC socket	terminals	terminals	terminals
Output socket type	BNC plug	BNC plug	BNC socket	terminals	cable with power connector 2.1/5.5mm 30 cm	terminals
Housing	...	...	1RU (19")	...	...	...
Length of grounding cable	0.5 m	...	...	...	...	...
Threshold voltage	> 2.4 V	> 2.4 V	> 2.4 V (wire/wire)	...	...	> 2.4 V (wire/wire) (Video) > 8.2 V (wire/wire) (RS-485) > 15 V (wire/wire) (Power supply 12V DC) > 36 V (wire/wire) (Power supply 24V AC) > 18.4 V (wire/ground) (Video) > 19.4 V (wire/ground) (RS-485) > 47 V (wire/ground) (Power supply 12V DC) > 47 V (wire/ground) (Power supply 24V AC)
Maximum stroke current	5 kA (8/20µs)	5 kA (8/20µs)	5 kA	...	5 kA (8/20µs)	5 kA (Video) 5 kA (Power supply 12V DC) 5 kA (Power supply 24V AC)
Maximal stroke current RS-485 (t=8.3ms)	...	...	...	...	...	30 A
Serial impedance per line	1 Ω (Wire)	...	1.1 Ω (Wire)	...	...	1 Ω (Wire Video)
Capacity	7 pF	57 pF	< 7 pF	...	...	< 7 pF (Video)
Response time	15 ns	6.25 ns	15 ns	• 100 µs @ 1.7 A disconnection • 250 µs @ 1.7 A connection	...	15 ns (Video) 15 ns (RS-485) 15 ns (Power supply 12V DC) 15 ns (Power supply 24V AC)
Operation temp	-20 °C ... 55 °C	-20 °C ... 50 °C	-50 °C ... 55 °C	...	...	-50 °C ... 55 °C

DELTA-OPTI Monika Matysiak / VAT:PL5251295225 / 60-713 Poznań, ul. Graniczna 10
 Tel:+48 61 864 69 60 / GSM:+48 607 60 11 66 / Fax:+48 61 864 69 65 / e-mail: info@delta.poznan.pl
 Monday-Friday: 8.00-19.00 / Saturday: 8.00-14.00

Permissible relative humidity	< 95 %	...	< 95 %	...	...	< 95 %
Weight	0.08 kg	0.16 kg	0.55 kg	0.02 kg	0.05 kg	0.11 kg
Dimensions	84 x 25 x 25 mm	117 x 30 x 80 mm	483 x 44 x 38 mm	50 x 43 x 26 mm	68 x 60 x 20 mm	120 x 91 x 37 mm
Manufacturer / Brand	DELTA	DELTA	DELTA	PULSAR	DELTA	DELTA
Guarantee	3 years	3 years	3 years	2 years	3 years	3 years



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