

# Lightning arresters

## Applications :

PARATRONIC lightning arresters are designed to protect all electronic equipment (sensors, PLCs, remote management systems, communications networks, etc.) against overvoltage problems.

## Effective and suitable :

The lightning arresters from the PARATRONIC range provide suitable protection depending on the exposure of the site and the equipment to be protected. Some models are available with or without EMC filtering and with or without LED signal and status report contact.

## Efficiency and longevity :

Installed according to our instructions, PARATRONIC lightning arresters will protect all of your installations. They may also be tested using the GR800 universal tester which will warn of the risks associated with the ageing of the components and will avoid the need for unnecessary trips.

## Available :

- Large stock of all models.
- Constant technical availability to meet your requirements.



Application	Product no.	Very exposed sites	Exposed sites	Type	Fault lamp	End of life contact	No. of branches or protected conductors	Wiring	Plug-in terminals	Vc (V)	Vp (kV)	In (kA)	Imax (kA)	/I (A)	Examples of use
<b>POWER SUPPLIES</b>															
LV	PRO TAS400	x	2	x			4	Parallel	255AC/440AC	1.2/1.5	13	40	NA		four-pole protection to be placed at the head of the installation
	PRO TAS400C	x	2	x	x		4	Parallel	255AC/440AC	1.2/1.5	13	40	NA		
	PSD 40	x	2	x			2	Ser. and Par.	255AC	1.1/1.5 and 1.2/1.5	7 and 13	40	16		LV power supply, measurement system, remote management, PLC, RS4, battery charger, etc.
	PSD 40C	x	2	x	x		2	Ser. and Par.	255AC	1.1/1.5 and 1.2/1.5	7 and 13	40	16		
	PRO TAS220		x	2-3	x		2	Ser. and Par.	255AC	1.1/1.7 and 1.2/1.7	7	20	16		LV protection for exposed sites with EMC filter.
	PRO TAS220C		x	2-3	x	x	2	Ser. and Par.	255AC	1.1/1.7 and 1.2/1.7	7	20	16		
	PRO CEM220		x	2-3	x		2	Series	255AC	1.0/1.5	2	20	10		LV protection for exposed sites with EMC filter.
	PRO CEM220C		x	2-3	x	x	2	Series	255AC	1.0/1.5	2	20	10		
	PM 220		x	2-3	x		2	Parallel	255AC	1.1/1.6	2	10	NA		See PRO TAS 220
<b>ELV</b>															
	PRO TAS3016A	x		2-3	x		2	Ser. and Par.	30AC or 38DC	0.25/0.25 and 0.3/0.3	7	20	16		ELV power supply (12 and 24V AC/DC), LNS, TBR, IMR
	PRO TAS3016AD	x		2-3	x		2	Ser. and Par.	30AC or 38DC	0.25/0.25 and 0.3/0.3	7	20	16		
	PRO CEM3010AC	x		2-3	x	x	2	Series	30AC or 38DC	0.15	2	20	10		ELV power supply with EMC filter
<b>PSTN</b>															
	PRO ADSL		x	NA			2	Series	90AC	1.2	2.3	10	0.2		PSTN line, ADSL line for remote management, modem, etc.
	PM 120		x	NA			2	Series	150AC	0.5	2.3	10	0.1		
	PRO TAS120	x		NA			2	Series	150AC	0.5	2.3	20	0.1		PSTN line with EMC filter
	PRO CEM120	x		NA			2	Series	150AC	0.5	2.3	20	0.1		
	PRO CEM120D	x		NA			2	Series	150AC	0.5	2.3	20	0.1		
<b>SENSORS &amp; SIGNALS</b>															
	PRO TAS50	x		NA			2	Series	50V DC	0.18	10	20	0.2		Measurement loop
	PRO C848			NA			8	Series	48V DC	0.15	1	2	0.05		On/Off inputs, etc.
	PRO TAS30	x		NA			2	Series	30V DC	0.1	10	20	0.2		Signals or measuring loops, EMC filtering or otherwise, dedicated line/private line, etc.
	PRO CEM30	x		NA			2	Series	30V DC	0.1	10	20	0.2		
	PRO CEM30D	x		NA			2	Series	30V DC	0.1	10	20	0.2		Signals or measuring loops, EMC filtering or otherwise, dedicated line/private line, etc.
	PM 30		x	NA			2	Series	30V DC	0.1	5	10	0.1		
	PRO TAS15	x		NA			2	Series	15V DC	0.08	10	20	0.2		Signals or measuring loops, EMC filtering or otherwise, dedicated line/private line, etc.
	PRO CEM15	x		NA			2	Series	15V DC	0.08	10	20	0.2		
	PRO CEM15D	x		NA			2	Series	15V DC	0.08	10	20	0.2		Pluviometer, pulse meter, etc.
	PRO CEMPLUIED	x		NA			2	Series	15V DC	0.05	10	20	0.2		
	PRO C8			NA			8	Series	12V DC	0.04	0,25	0,5	0,05		On/Off inputs, etc.
	PRO RS232		x	NA			8	Series	15V DC	0.03	0,1	0,17	0,05		RS232 or 485 serial link, smart sensor, PLC, etc.
	PRO RS485		x	NA			3	Series	5V DC	0.15	5	10	0,05		ELV power supply and signal for 3-wire sensors; 4/20mA, SDI12 or TBR antenna, etc.
	PRO SA112		x	NA			3	Series	15V DC	0.3	5	10	0,5		
	PRO SA124		x	NA			3	Series	30V DC	0.3	5	10	0,5		ELV power supply and signals for 4-wire sensors, Cruzoé, PLC, RS485 link, etc.
	PRO SA148		x	NA			3	Series	60V DC	0.3	5	10	0,5		
	PRO SA212		x	NA			4	Series	15V DC	0.3	5	10	0,5		Signals or 3-wire sensors (excluding power line), flowmeter, etc.
	PRO SA224		x	NA			4	Series	30V DC	0.3	5	10	0,5		
	PRO SA248		x	NA			4	Series	60V DC	0.3	5	10	0,5		Signals or 3-wire sensors (excluding power line), flowmeter, etc.
	PRO S312		x	NA			4	Series	15V DC	0.3	5	10	0,5		
	PRO S324		x	NA			4	Series	30V DC	0.3	5	10	0,5		Signals or 3-wire sensors (excluding power line), flowmeter, etc.
	PRO S348		x	NA			4	Series	60V DC	0.3	5	10	0,5		
	PRO PT100		x	NA			4	Series	50V DC	0.15	5	10	1		PT100 Probe
	PRO HF		x	NA			2	Series	NA	0.16	5	10	0,05		Radio protection, etc.
	TS100	x		NA			1	Series	NA	NA		100	NA		Interconnection spark arrester

Vc = maximum steady-state operating conditions voltage

Vp = protection level

In = nominal discharge current

Imax = maximum discharge current

/I = assigned load current

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