

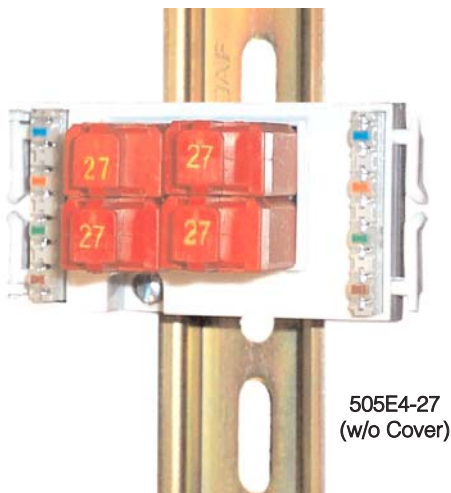


505E Protector Pack™

Porta Systems offers UL listed low voltage protection for data communication circuits. The modular **505E** block protects networks from transients that can harm sensitive electronic equipment.

Low capacitance solid state technology allows for CAT 5E performance while providing quick reaction to hazardous electrical surges without network degradation.

Designed to protect data networks operating below 7.5, 18, or 27 Volts, these protectors provide optimum performance at transmission speeds up to 100 MHz.



505E4-27
(w/o Cover)

CAT 5E PROTECTION PRODUCTS

Termination and Protection of Data Network Equipment, Workstations, LAN, Hubs and Routers.



505E12-27
(w/o Covers)

Features & Benefits

- Low capacitance Solid State technology provides protection transparent to frequencies up to 100 MHz for CAT 5E performance
- Mounts directly on DIN rail or may be mounted on industry standard 89 style standoff bracket for wire management
- 110 Terminations
- Designed for use in an enclosure
- Style 89 Standoff brackets included with 12 and 32 pair
- DIN rail mounting bracket included with 4 and 8 pair
- Covers included
- Available factory loaded with 7.5V, 18V or 27V Solid State modules.
- 4-pair modular design allows for custom configuration
- UL497, UL497A, and UL497B Listed for Primary, Secondary, and Isolated Loop Circuit protection.



505E Protector Pack™

SPECIFICATIONS:

	LVP7.5E	LVP18E	LVP27E	Test Parameters
Electrical:				
DC Breakdown Voltage	7.5 V	18 V	27 V	2000V/Sec max
Impulse Breakdown Voltage	7.5 V	18 V	27 V	100V/mSec max
Clamping Time	<40 η Sec	<40 η Sec	<40 η Sec	
Capacitance (Max)	<30 ρ F	<30 ρ F	<30 ρ F	1 KHz, 0 VDC
Line Series Resistance	<1 Ohm	<1 Ohm	<1 Ohm	
Over Current Protection	Indefinite 1 Hour Max 1 Min Max	Indefinite 1 Hour Mac 1 Min Max	Indefinite 1 Hour Max 1 Min Max	500mA 1A 1.5A

CAT 5E:

Frequency	Up to 100 MHz	Up to 100 MHz	Up to 100 MHz	
Delay Skew	<6 η Sec	<6 η Sec	<6 η Sec	*
NEXT	> +4.4 dB	> +4.4 dB	> +4.4 dB	*
PS-NEXT	> +6.8 dB	> +6.8 dB	> +6.8 dB	*
ELFEXT	> +9.5 dB	> +9.5 dB	> +9.5 dB	*
PS-ELFEXT	> +11.9 dB	> +11.9 dB	> +11.9 dB	*
Return Loss	> +3 dB	> +3 dB	> +3 dB	*

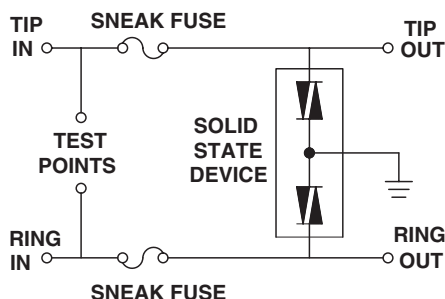
* Figures show minimum margin of test results to CAT 5E parameter limits for each category.
A full engineering report of CAT 5E test results is available upon request.



Dimensions:

	H x W x D (approx.)
Pack Only	
4-Pair w/o DIN rail	1.3" x 3.9" x 3.5"
With Supplied Mounting	
4-Pair w/DIN rail	4.4" x 3.9" x 3.5"
8-Pair w/DIN rail	4.4" x 3.9" x 3.5"
12-Pair w/89E bracket	5.0" x 3.9" x 4.9"
32-Pair w/89D bracket	10.5" x 3.9" x 4.9"

Module Circuit:



ORDERING INFORMATION:

Pairs	Termination	Mounting	7.5 Volt	18 Volt	27 Volt
4	110	DIN Rail	505E4-7.5	505E4-18	505E4-27
8	110	DIN Rail	505E8-7.5	505E8-18	505E8-27
12	110	89E Standoff Bracket	505E12-7.5	505E12-18	505E12-27
32	110	89D Standoff Bracket	505E32-7.5	505E32-18	505E32-27

FEATURES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
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