

OnLine® 6-Series Communication Line Protectors: Some face persistent system problems, despite their use of conventional communication line protectors. Others face performance expectations that allow zero tolerance for downtime. 6-Series communication line protectors are specifically engineered to satisfy these demanding applications, whether for analog or digital lines.

Ultimate assurance of system reliability

Leading telecommunications companies employ ONEAC OnLine communication line protectors in their installations for good reason: because OnLine protectors provide greater assurance of PBX and key system uptime and lower service costs than conventional protectors.

Eliminates harmful transients

System lockups, dropped calls, mis-dials, system memory loss, “no trouble found” service calls, service outages, shortened component life — these problems result from high frequency interference.

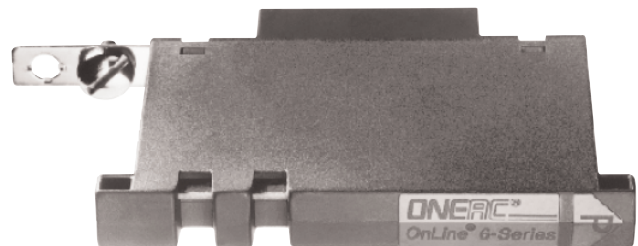
ONEAC OnLine 6-Series Communication Line Protectors eliminates these harmful transients.

Last longer on the job

ONEAC communication line protectors feature a more robust design than others so they’re better able to withstand current and voltage surge. Which eliminates the cost and downtime of replacement due to nuisance failures.

Proven to reduce service costs

By removing electrical transients, ONEAC improves system reliability. Look at actual evidence — installers switching over to a protection scheme using OnLine protectors with ONEAC power conditioners report an over 50% reduction in total trouble calls; 83% fewer service calls due to hardware problems; 70% fewer system resets; and 43% fewer calls in which no trouble was found.



- **Robust/solid state overvoltage protection:** last longer in the field
- **Convenient test points:** for faster, easier line testing
- **100 A surge impulse design:** provides longer lasting protection
- **Models available for digital and ISDN lines**
- **Safety approval:** UL/cUL Listed Secondary (497A) and UL Listed Primary (497)
- **5-year warranty:** the best assurance of product quality and performance in the industry
- **Manufactured under ISO 9001:** assures consistent quality and performance.
- **Free 24-hour technical support**



Easily mountable on standard 66 blocks, OnLine provides more complete and longer lasting protection than conventional communication line protectors.

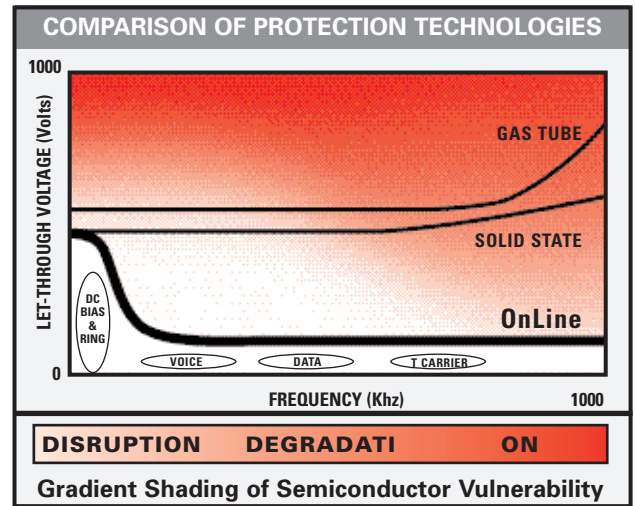
OnLine 6-Series Communication Line Protector: Specifications

For digital or ISDN service

For use with type 66 block M1-50, 6-Series communication line protectors eliminate the possibility for noise generated on outside telephone lines to enter internal communication circuits.

Digital OPX by vendor	Part No.	Color
Toshiba 24V (1 pr)	6-DSP36	Yellow
Toshiba 24V (2 pr)*	6-DSP36	Yellow
Samsung 24V (1 pr)	6-DSP36	Yellow
Samsung 24V (2 pr, 12V/pr)*	6-DSP20	Yellow
Executone 24V (2 pr, 12V/pr)*	6-DSP20	Yellow
Nortel 24V (1 pr)	6-DSP36	Yellow
ROLM/Siemens 24V (1 pr)	6-DSP36	Yellow
NEC 48V (1 pr)	6-DSP68	Yellow
Fuji 48V (1 pr)	6-DSP68	Yellow
AT&T 24V (4 pr)**	6-DSP36	Yellow
AT&T 48V (4 pr)**	6-DSP68	Yellow
Mitel 48V (1 pr)	6-DSP68	Yellow

* Require 2 ONLine 6-Series protectors (1 per pair).
 ** Require 4 ONLine 6-Series protectors (1 per pair).



Part Number	6-DSP20	6-DSP36	6-DSP68
Impulse (Limiting Voltage) Performance: Impulse input @ 10/1000 uS, 1.5 kV, 100 A			
Let-through voltage - line to earth (typical/max.)	55 V/65 V	65 V/75 V	100 V/110 V
Let-through voltage - line to line (typical/max.)	55 V/65 V	65 V/75 V	100 V/110 V
DC Breakdown (Limiting) Voltage Range: 0-1 kV @ 100 V/S			
Line to earth (typical/range)	20 V/18-23 V	36 V/33-40 V	68 V/64-74 V
Line to line (typical/range)	20 V/18-23 V	36 V/33-40 V	68 V/64-74 V
Module Loop Resistance @ 25°C (each leg) in ohms	≤1 Ω	≤1 Ω	≤1 Ω
Response Time	<5ns	<5ns	<5ns
Insulation Resistance @ 12 VDC	>1 MΩ	>1 MΩ	>1 MΩ
Capacitance Line to Earth @ 12 VDC, 1 VAC, 10 kHz – 1 MHz			
A or B in reference to earth:	<75pf	<75pf	<75pf
A to B:	<75pf	<75pf	<75pf
Overcurrent Protection (Sneak Current) @ 25°C			
Non-resetting (time delay fuse)	1 A	1 A	1 A
Test Points	yes	yes	yes

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