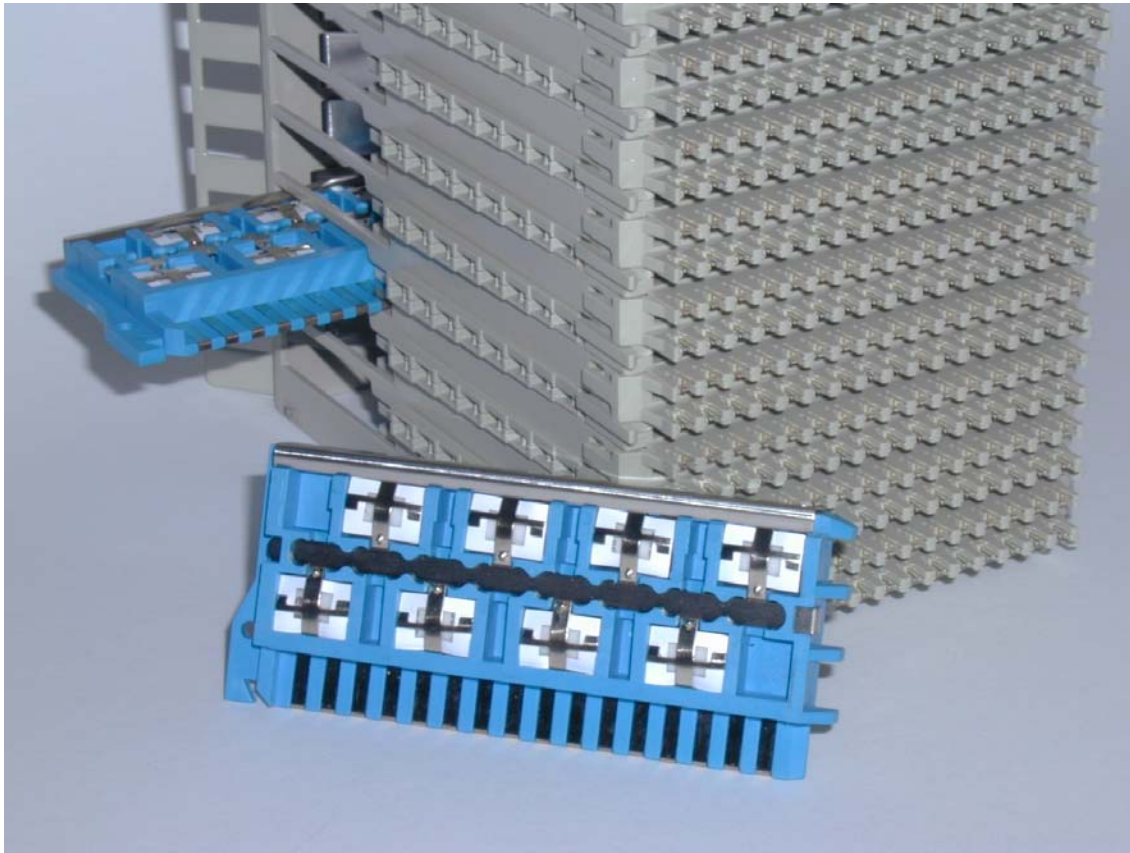


8-PAIR SURGE ARRESTER MAGAZINE

SUR2000/8/Series



GENERAL DESCRIPTION

The unit is supplied as an eight line pair left handed (SUR2000/8L) or right handed (SUR2000/8R) magazine. To take advantage of the excellent transverse voltage performance of 3-electrode surge arresters each line pair is protected by one 3-electrode surge arrester together with the unique Surgetech polymer failsafe. The magazine body is manufactured from glass-filled PBT with flammability rating UL94V-0.

The magazine plugs into the System 2000 Main Distribution Frame to provide the most advanced surge protection available.

As well as standard gas tube protection, advanced 3-point hybrid protection can be accommodated in the SUR2000/8 by using semiconductor transient voltage protectors in addition to the gas discharge tubes.

FAILSAFE CHARACTERISTICS

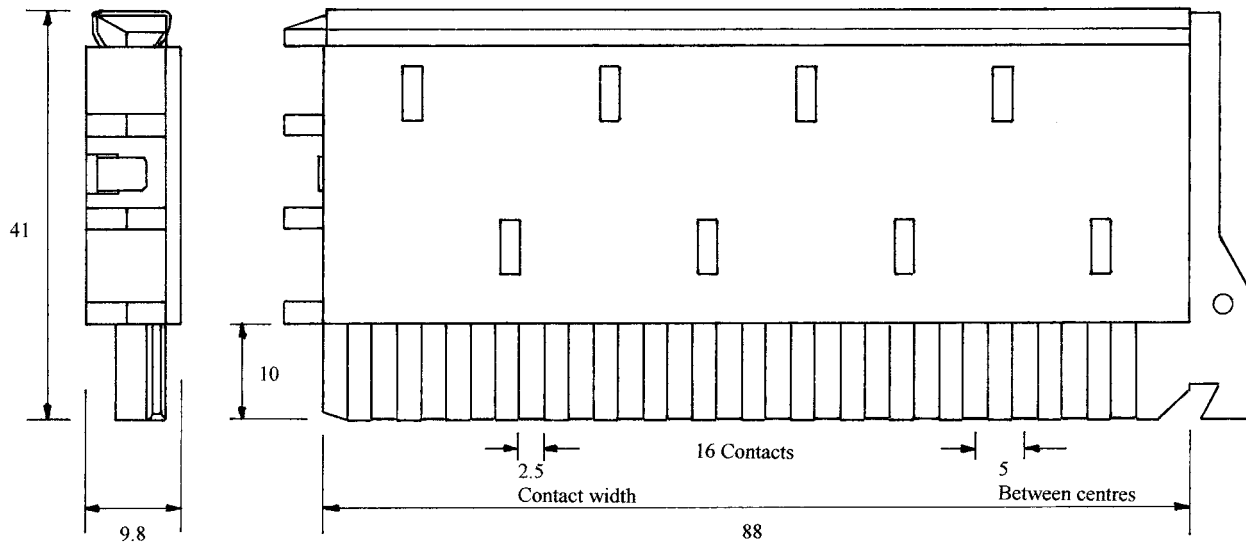
The unique Surgetech polymer failsafe provides excellent protection against the fire risk presented by a power cross which can cause surge arresters to overheat. Unlike some solder-based failsafes which can inadvertently short-circuit, the Surgetech polymer failsafe is exceptionally stable and will not cause the device to accidentally short circuit at ambient temperatures. Typical failsafe characteristics are shown below.

Voltage source 240V rms					
Current(A)	0.5	1	2	5	10
Time to short circuit(seconds)	144	47	19	8.5	5.5

DIMENSIONS (in mm)

All dimensions are compatible with the System 2000 Main Frame

SUR2000/8



ELECTRICAL CHARACTERISTICS

In this case the magazine is loaded with arrester type 2026-23-A

Hybrid Version

DC Sparkover Voltage	230	V+/-20%	(i)	230	V+/- 20%
Impulse Sparkover Voltage at 1kV/ μ sec	650	V(max)		350	V(max)
AC Discharge Current	10	A	(ii)	10	A
Impulse Discharge Current	10	kA	(iii)	10	kA
Insulation Resistance at 100V	1000	M Ω		1000	M Ω
Capacitance – line to ground	2	pF(max)		200	pF

Notes

- (i) Measured at 500V/sec
- (ii)&(iii) CCITT K12 Blue Book Definitions



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EXPERIENCE WORLDWIDE

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