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Typical specifications for relay types used in Cytec switching systems

Standard Relay Type	Reed Type S (Standard)	Reed Type HV (High Voltage but not HXV)	Reed Type LT (Low Thermal)	Type A (Armature) also works as LT	Type P (Power Armature)
Switched Voltage	+/- 200 V Peak	+/- 1000 V Peak	+/- 200 V Peak	+/- 110 V Peak	+/- 380 V Peak
Switched Current	0.5 Amps	1.0 Amps	0.5 Amps	1.0 Amps	8 Amps
Switched Power	10 VA	60 VA	10 VA	30 VA	2000 VA / 150 W
Breakdown Voltage	300 V Peak	1000 V Peak	300 V Peak	750 V Peak	1000 V RMS
Carry Current	1.0 Amps	2.5 Amps	1.0 Amps	2.0 Amps	15 Amps
Switch Speed	1 ms	2 ms	1 ms	5 ms	10 ms
Life Expectancy (Mechanical)	>100 Million	500 Million	>100 Million	100 Million	10 Million
Life Expectancy (Rated Load)	100 Million	10 Million	100 Million	10 Million	100 Thousand
Voltage Offset	20 uV	25 uV	<5 uV	<5 uV	N/A
Minimum Current	100 pA	500 pA	50 pA	10uA	100 mA
Insulation Resistance	10e10 Ohms	10e12 Ohms	10e10 Ohms	10e9 Ohms	10e9 Ohms
Power use per relay	120 mW	190 mW	120 mW	140 mW	240 mW

Specialty Relay Type	Hipot Reed Type HV (HXV)	Low Leakage Reed Type LL	Extremely High Voltage G25	25 Amp Power Relays	150 Amp GX11
Switched Voltage	+/- 3500 V Peak	+/- 200 V Peak	+/- 25,000 V Peak	+/- 277 VAC, 30 VDC	+/- 750 V Peak
Switched Current	3.0 Amps	0.5 Amps	1.0 Amps	25 Amps	150 Amps
Switched Power	200 Watts	10 VA	10,000 VA	6,900 VA	4000 Watts
Breakdown Voltage	7,500 V Peak	1000 V Peak	27 KV Peak	2000 V Peak	1000 V RMS
Carry Current	5.0 Amps	1.0 Amps	18 Amps	25 Amps	225 Amps Cont. 300 Amps, 300 sec.
Switch Speed	3 ms	1 ms	15 ms	30 ms	20 ms
Life Expectancy (Mechanical)	>100 Million	100 Million	>1 Million	>10 Million	1 Million
Life Expectancy (Rated Load)	10 Million	500K	10K	10K	10K
Voltage Offset	>20 uV	20 uV	N/A	N/A	N/A
Minimum Current	10 mA	50 fA	100 mA	100 mA	1 Amp
Insulation Resistance	10e9 Ohms	10e14 Ohms	10e12 Ohms	10e9 Ohms	10e7 Ohms
Power use per relay	825 mW	230 mW	5.7 W	1.8 W	6.8 W