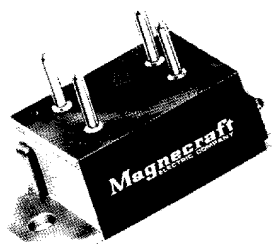


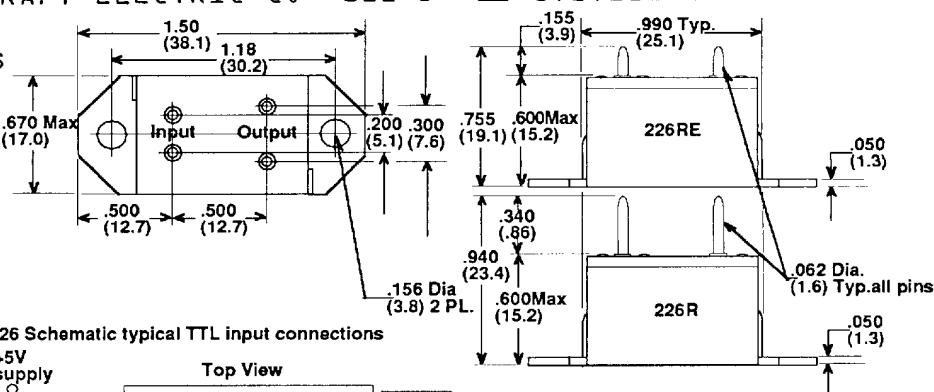
SSR

SOLID STATE RELAY

MAGNECRAFT ELECTRIC CO 58E D ■ 5707101 0003650 966 ■ MGF



CLASS 226
UP TO 7 AMPS
SPST—NO
DC INPUTS
AC OUTPUTS



LOW COST.
COMPATIBLE WITH TTL GATES.
PRINTED CIRCUIT AND PUSH-ON
CONNECTOR VERSIONS.
MOUNTS ON TO-3 TRANSISTOR
HEATSINKS FOR ADDED CURRENT
RATING.

UL RECOGNIZED FILE NO. E52197 CSA CERTIFIED FILE NO. LR41729

Footnote 1: Molax Winchester
for 18-22 AWG 02-06-1103 156-10185
for 24-30 AWG 02-06-1132 156-10245

STOCK NUMBERS	PUSH ON TERMINALS	W226R-7-5A1	W226R-7-12A1	W226R-8-5A1	W226R-8-12A1
	PRINTED CIRCUIT TERMINALS	W226RE-7-5A1	W226RE-7-12A1	W226RE-8-5A1	W226RE-8-12A1
INPUT CHARACTERISTICS					
Input Voltage Range		5VDC	12VDC	5VDC	12VDC
Maximum Pickup Voltage (over operating temperature range)		4.3VDC	10.3VDC	4.3VDC	10.3VDC
Minimum Dropout Voltage (over operating temperature range)		1.5VDC			
Input Impedance		Input current (at nominal voltage) 13mA typical / 15mA max..			
Reverse Polarity Protected		No			
Input Filtered for transients less than one millisecond.		No			
Response Time		turn on, 16m Sec. Max.		turn off, 60m Sec. Max.	
OUTPUT CHARACTERISTICS					
Nominal Off State Voltage V_D (RMS)		120		240	
Maximum Off State Voltage $V_{D\text{MAX}}$ (RMS)		260		380	
Minimum Off State Voltage $V_{D\text{MIN}}$ (RMS)		20		40	
Non-Repetitive Peak Voltage V_{DSM} (Blocking Voltage)		400		700	
Maximum Rate of Rise of Off State Voltage dv/dt		100V/uSec blocking		4V/uSec commutating	
Rated Load Current I_T (RMS)*		7 Amp			
U/L Incandescent Lamp Ampere Rating		—			
U/L Motor Load Ampere Rating		—			
Minimum Load Current $I_{T\text{MIN}}$ (RMS) to maintain "On"		20mA			
Non-Repetitive Surge Current $I_{T\text{SM}}$ (one Cycle Surge)		50 Amp			
Maximum RMS Overload current for 1 second		18 Amp			
Maximum Off State Leakage current I_o (RMS)		0.1mA@25°C		1.0mA@65°C max.	
Maximum RMS On-State Voltage V_T (RMS) Maximum Voltage drop across relay output @ rated current		1.8V		3.6V	
MISCELLANEOUS CHARACTERISTICS					
Max. I^2T for fusing (8.3 m Sec)		24			
Thermal Resistance Junction to Case		3°C/w			
Suggested Heat Sink		TO—3 mounting			
Dielectric Strength V_{ISO} (Input-Output Isolation)		2500VAC			
Insulation Resistance R_{ISO} @ 500VDC		$10^{10}\Omega$			
Operating temperature Range		-40° to + 65°C			
Storage temperature Range		-40°C to +85°C			
Weight		0.37 oz. (10.6g)			

*All current ratings are based on use of suitable thermally conductive compound (e.g. silicone grease between the SSR mounting base and mounting surface of suitable heat sink).

Magnecraft

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