SE-MAGNECRAFT RELAYS
781R SERIES

DESCRIPTION

The Magnecraft **781R Series** of SPDT plug-in style relays optimize design flexibility, expedite installation, and simplify maintenance. The **781R Series** relays have up to 15A load ratings, multiple contact sets, signature full-feature covers, and UL listing. They are equipped with a mechanical flag indicator to show relay status in the manual or powered condition. Full-featured versions of these relays also include a bi-polar LED to show coil "on" or "off" status, a push button that allows momentary manual operation without the need for coil power, and a removable lock-down door that can hold the push button and relay contacts in the opposite position.

FEATURES

- ***SPDT configuration***
- ***Flag indicator***
- ***Optional LED and momentary/maintained pushbutton***
- ***DIN rail/surface mount or PCB sockets***
- ***Mating socket - 781: 70-781D5R-1A***



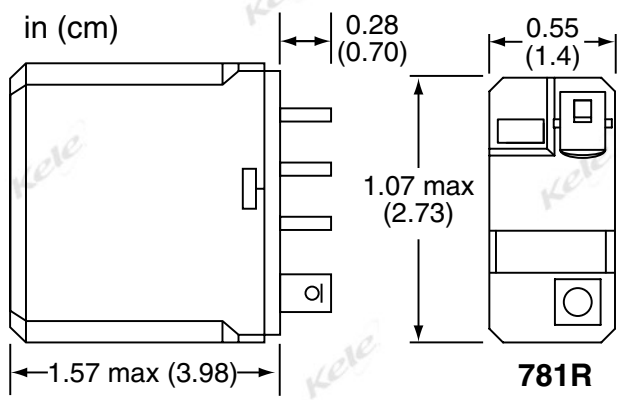
781R

SPECIFICATIONS

COIL	
Pull-in Voltage AC/DC	85% of nominal
Dropout Voltage AC/DC	15% AC, 10% DC
Maximum Voltage	110% of nominal
Coil Power AC (60 Hz)	1.6VA, with LED 1.9VA
Coil Power DC	1.1W, with LED 1.4W
Duty	Continuous
Average Consumption	
Standard	1.6VA (AC), 1.1W (DC)
With LED	1.9VA (AC), 1.4W (DC)
CONTACTS	
Contact Material	Silver Alloy
Contact Rating	15A @ 277VAC resistive 10A @ 240 VAC Gen. Purp. 15A @ 28 VDC resistive 1/2 hp @ 120 VAC motor 1 hp @ 277 VAC motor
Minimum Load	10 mA @ 17 VDC
Terminal Style	Blade

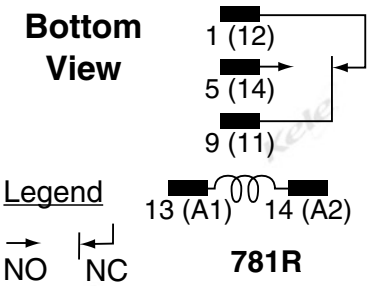
DIELECTRIC STRENGTH	
Coil to Contacts	2000 V_{rms}
Across Open Contacts	1500 V_{rms}
Pole to Pole	—
GENERAL	
Operate Time	20 msec
Release Time	20 msec
Electrical Life	
@ Rated Load	100,000 operations
Mechanical Life	
@ No Load	10,000,000 operations
Operating Position	Any
Operating Temperature	-40° to 131°F (-40° to 55°C)
Weight	0.064 lb (0.029 Kg)
Agency Approvals	UL-recognized component with socket File #E164862, CSA certified, RoHS File 225619, CE: IEC 61810-1
Warranty	1 year

DIMENSIONS



781R

WIRING



781R

Numbers correspond to Magnecraft socket terminals. Numbers in parentheses correspond to other brand socket terminals.

SE-MAGNECRAFT RELAYS

781R SERIES

ORDERING INFORMATION

MODEL	DESCRIPTION
781XAXR	Control relay SPDT (requires 70-781D5R-1A or 70-781T-1 socket)
	COVER OPTIONS
C	Clear cover
CL	Clear cover with LED
M4L	Full feature cover with locking push button and LED
	VOLTAGE
12	12 Volts
24	24 Volts
120	120 Volts
240	240 Volts
	AC/DC
A	AC Voltage
D	DC Voltage (12 or 24 Volt only)

781XAXR	M4L	24	A

Example: **781XAXRM4L-24A**

Control relay SPDT with locking push button and LED 24VAC

Add **KIT-** to the beginning of the model number to get relay and **70-781D5R-1A** socket included

RELATED PRODUCTS

70-781D5R-1A	Relay socket, SPDT, use with 781 Series relays, din/surface mount
70-781T-1	Relay socket, SPDT, use with 781 Series relays, pcb mount

ACCESSORIES

16-781C	Adapter, spdt for 781 series relay, din rail mount
16-781C1	Adapter, spdt for 781 series relay, panel mount
16-781IDC	Clip, plastic for 70-781D5R-1A socket
16-781SC	Clip, metal for 70-781D5R-1A and 70-781T-1 sockets
16-DCLIP-1	Din rail locking clip
70-BSMD-250	Module, diode, 6-250 VDC for 70-781D5R-1A socket
70-BSMLG-24	Module, LED, 24 VAC/VDC for 70-781D5R-1A socket
70-BSMM-120	Module, mov, 120 VAC/VDC for 70-781D5R-1A socket
70-BSMM-24	Module, mov, 24 VAC/VDC for 70-781D5R-1A socket
70-BSMM-240	Module, mov, 240 VAC/VDC for 70-781D5R-1A socket