

Products for tomorrow...

11

CONTROLS & SENSORS



All data at 20 °C

 Contact type
 Contact form

All data at 20 °C			Contact 71 (MK15)			Contact 87 (MK16)			Contact 39 (MK17)			Units
			Standard			Standard			Standard			
			Form A			Form A			Form A			
Parameter	Conditions	Sym.	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	
Contact Operation												
Must operate condition	Steady state field (ranges available)	AT	10		30	10		30	10		30	AT
Must release condition	Steady state field (ranges available)	AT	3		30	3		30	3		30	AT
Contact Ratings												
Rated Power	DC/peak AC Resistive	W			10			1			10	Watts
Switching Voltage	DC/peak AC Resistive	V			180*			24			100	Volts
Switching Current	DC/peak AC Resistive	A			0.5			0.1			0.5	Amps
Carry Current	DC/peak AC Resistive	A			1.5**			0.3			1	Amps
Static Contact Res.	50mV @ 10mA @ nom. volt.	CR			150			150			150	mΩ
Dynamic Contact Res.	0.5 V @ 50 mA, 100 Hz and after 1.5 ms @ nom. volt.	DCR			200			200			200	mΩ
Dielectric Strength	Across contact											DCV
Capacitance	Across switch											pf
Operating time	Including bounce	Top			500			500			400	μs
Release time	No coil suppression	Trel			50			50			50	μs
Insulation Resistance	Across switch	IR	10 ¹⁰	10 ¹²		10 ¹⁰	10 ¹²		10 ¹⁰	10 ¹²		Ω
Contact material				Ru			Rh			Rh		
Environmental Ratings												
Operating temperature		To	-20		130	-20		130	-20		70	°C
Storage temperature		Ta	-35		130	-35		130	-20		70	°C
Shock	At 11 ms +/- 1ms; 1/2 sine wave	S			50			50			50	Gs
Vibration	10 Hz to 2000 Hz	G			10			10			10	Gs

* Range D and E: 200 V

** Range D and E: 1.75 A

Ordering Information

XXXX-	X-	X
Series	Magnetic	Lead Design
	Sensitivity	
MK15	(AT)	
MK16	B 10 - 15	Style 1 - 1
MK17	C 15 - 20	Style 2 - 2
	D 20 - 25	
	E 25 - 30	