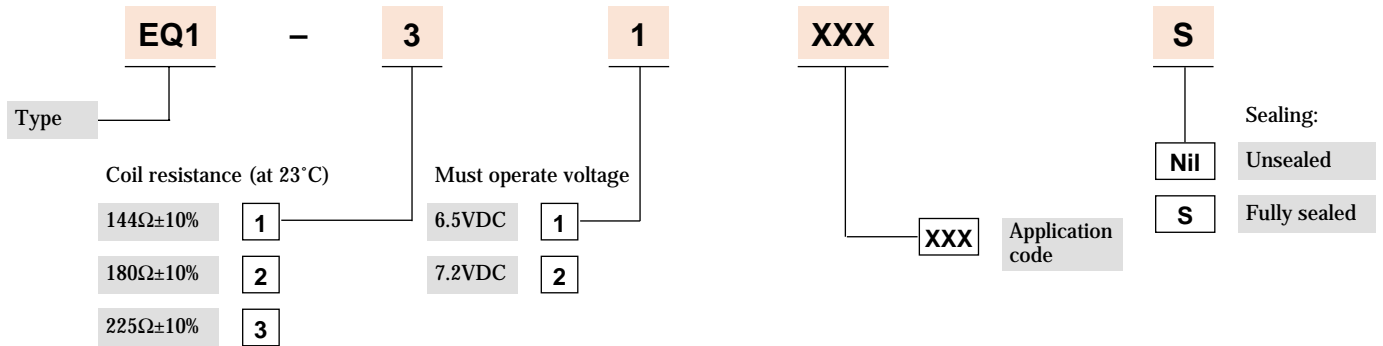


- Pin compatible with MR301/SRMA
- Low profile with high performance
- Light weight
- Low cost



Options and ordering codes



Application		Part number
Motor	Standard	EQ1-31000S
	Jump start	EQ1-11040S
Lamp		EQ1-22111S
		EQ1-11111S

at 25°C

Specifications

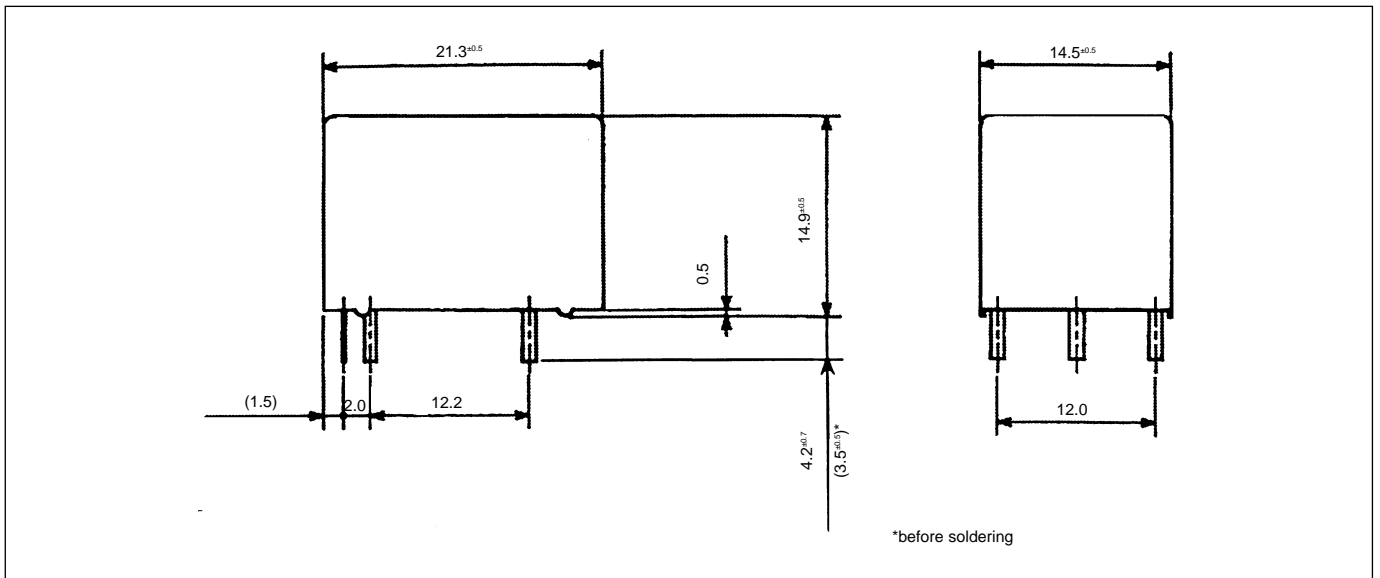
		Motor	Lamp/Condenser
Contact form		1C (SPDT)	
Contact rating	Max. switching voltage	16VDC	
	Max. switching current	35A (at 16VDC)	
	Contact resistance	Typical 5mΩ (measured at 6VDC, 7A) initial	
Contact material		Silver oxide complex alloy	
Operate Time (excluding bounce)		10ms maximum (at nominal voltage) with diode	
Release time (excluding bounce)		10ms maximum (at nominal voltage) with diode	
Nominal operate power		640mW	800mW
Insulation resistance		100MΩ at 500VDC	
Breakdown voltage	Between open contact	500VAC (for 1 minute)	
	Between contact and coil	500VAC (for 1 minute)	
Shock resistance		10G (misoperation), 100G (destructive failure)	
Vibration resistance		4.4G (misoperation) 4.4G, 200h (destructive failure)	
Ambient temperature		-40 to +85°C	
Coil temperature rise		60°C/W	
Life expectancy	Mechanical	1 x 10 ⁶ operations	
	Electrical Motor : 25A lock Lamp : 108W Tungsten Condenser : 70A peak	100 x 10 ³ operations	
Weight		Approximately 7.5G	Approximately 10G

Coil specification EQ1

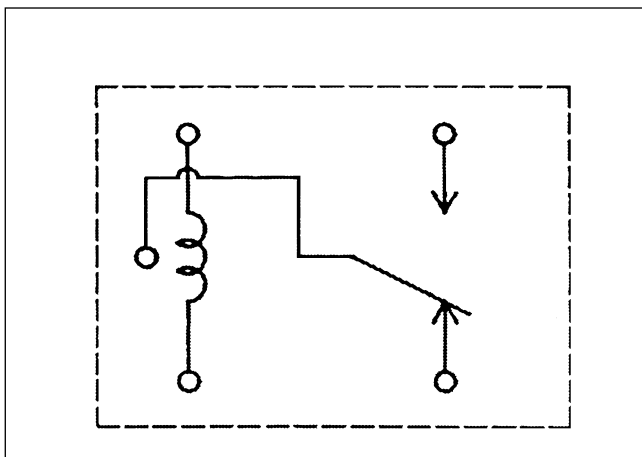
at 25°C (77°F)

Part numbers	Nominal Voltage (VDC)	Coil resistance ($\Omega \pm 10\%$)	Must Operate voltage (VDC maximum)	Must Release voltage (VDC minimum)	Nominal Operate power (mW)
EQ1-31000S	12	225	6.5	0.9	640
EQ1-11040S	12	225	6.5	0.9	640
EQ1-22111S	12	180	7.2	0.9	800
EQ1-11111S	12	180	7.2	0.9	800

Outline dimensions mm



Schematic: bottom view



PCB pad layout (mm) bottom view

