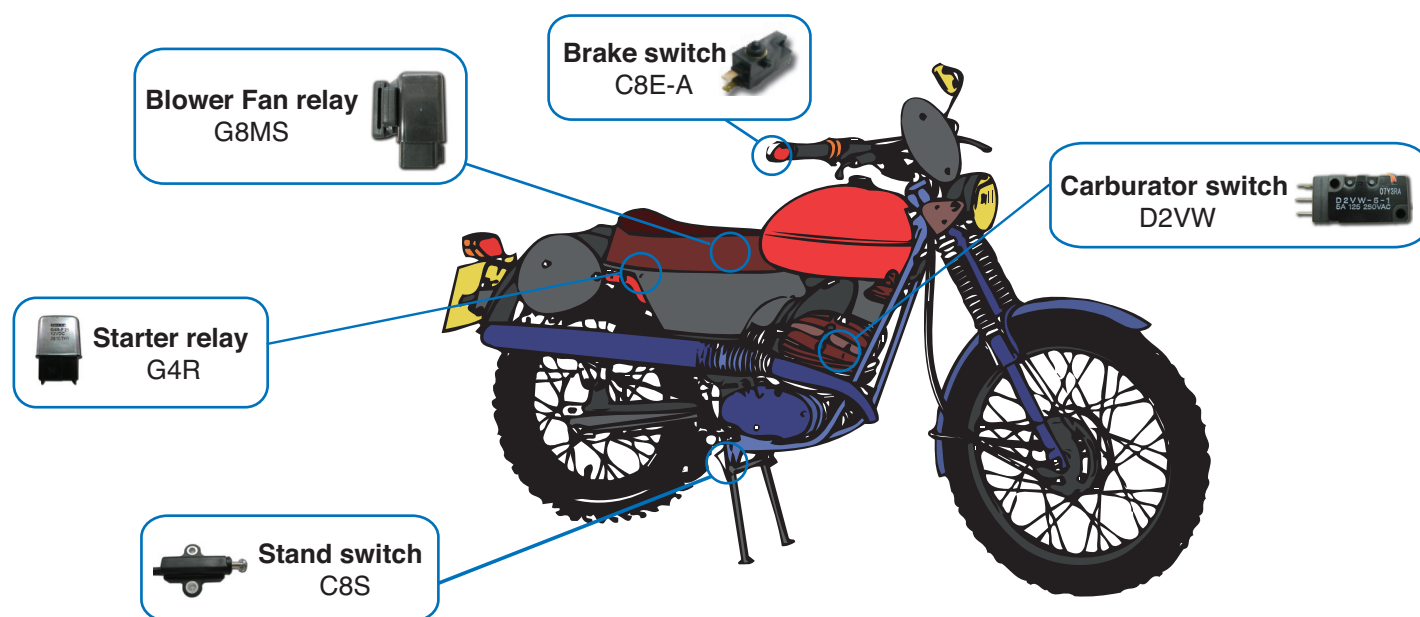


Automotive Relay / Switches for the 2 Wheelers

Introducing Omron's automotive relays and switches for the 2 Wheelers. Efficient and reliable, Omron's automotive relays and switches are widely used by leading automotive manufacturers.

Convenience, comfort and safety is Omron's goal. With this goal in mind, Omron constantly produce automotive products that meet the reliability requirements of the market while always considering the effect on the environment.



Specifications - Automotive Relays



Relay Model		G4R		G8MS	
Applications		Motor Engine Starter, Head Lamp, Defogger, Blower Fan		Head Lamp, Blower Fan	
Ratings / Performance		12 VDC		24 VDC	
Coil	Service voltage range	10 to 15 VDC	20 to 30 VDC	12 VDC	
	Operating voltage (at 20°C)	8 VDC or less	16 VDC or less	8 VDC or less	
	Release voltage (at 20°C)	0.6 to 6 VDC	1.2 to 12 VDC	0.6 to 6 VDC	
	Coil resistance (at 20°C)	100 Ω± 10% between terminals	400 Ω± 10% between terminals	100 Ω± 10% between terminals	
Contact	Contact configuration	1a (SPST)		1a (SPST)	1b (SPST)
	Contact material	AgSn type (non-cadmium)			
	Rated load	12 VDC 25 A Resistor	24 VDC 25 A Resistor	12 VDC 20 A Resistor	12 VDC 10 A Resistor
	Max inrush current	120 A	65 A	100 A	60 A
Endurance (Lifetime)	Mechanical	1,000,000 times			
	Electrical (Rated load)	100,000 times			
Ambient temperature range		-40~+80°C		-40~+100°C	

Specifications - Automotive Switches



Switch Model	D2VW	C8E-A
Applications	for use on control valve inside carburator	Brake lamp switch
Actuator Type	Pin Plunger	N.A.
	Hinge Lever	
	Simulated Roller Lever	
	Short Hinge Roller Lever	
	Hinge Roller Lever	

Ratings / Performance

Ratings	5A at 250 VAC	4.5A at 12 VDC (Lamp Load)
Contact Form	SPDT	SPST-NC
	SPST-NC	
	SPST-NO	
Operating Force	60gf / 120gf / 200gf / 230gf	200gf ± 100gf
Insulation Resistance	100 MΩ min.	5 MΩ min.
Contact Resistance (initial value)	50 mΩ max. (100 mΩ max. for molded lead wire models)	-
Voltage Drop	-	max 0.2V at DC12V 4.5A
Durability	Mechanical: 10, 000, 000 operations min. (60 operations/min)	300, 000 operations min. (15~20 operations/min)
	Electrical: 100, 000 operations min. (30 operations/min)	100, 000 operations min. (15~20 operations/min)
Degree of Protection	IEC IP67 (excluding terminals on terminal models)	IEC IP67 (almost equal.)
Ambient Operating Temperature	-40°C to 85°C (at ambient humidity of 60% max.) (with no icing)	-30°C to 80°C

* Model C8S (Stand Switch) is currently in development stage. For more details on this model, please contact our Sales Representative.

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