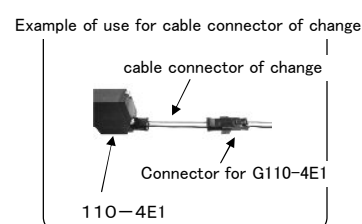
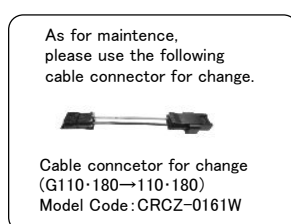
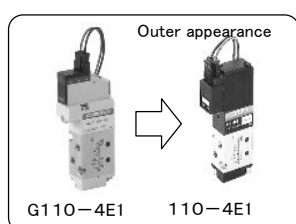


Subject: Maintenance for Solenoid Valve G110/G180 Series

The replacement model for G110/G180 Series is 110/180 Series.

As for interchangeability, please refer to below.

1. There is interchangeability for mounting main body(main body, gasket and mounting screws for both model are the same).
2. There is no interchangeability of coil part(as for their difference, please see below)



3. Electric specification

If you need low-wattage type for 110/180 Series, please use special order made model with“-1000W”

•110 Series Low-wattage type: 11□-□-1000W(DC TYPE)

•180 Series Low-wattage type: 18□-□-1000W(DC TYPE)

※We do not Low-wattage type for AC TYPE. As for details, please see below.

		G110 /G180 Series				110/180 Series				•11□-□-1000W •18□-□-1000W			
Item	Voltage	DC12V	DC24V	AC100V	AC200V	DC12V	DC24V	AC100V	AC200V	DC12V	DC24V	AC100V	AC200V
		Voltage range V	10.8~13.2 (12±10%)	21.6~26.4 (24±10%)	90~110 (100±10%)	180~220 (200±10%)	10.8~13.2 (12±10%)	21.6~26.4 (24±10%)	90~132 (100 ⁺³² ₋₁₀ %)	180~264 (100 ⁺³² ₋₁₀ %)	10.8~13.2 (12±10%)	21.6~26.4 (24±10%)	
Current(when rated voltage is applied)	Frequency Hz	—	—	50 60	50 60	—	—	50 60	50 60	—	—		
	Starting mA(r.m.s)	—	—	11	8	—	—	36 32	18 16	—	—		
	Energizing mA(r.m.s)	42(0.5W)	21(0.5W)	11	8	130(1.6W) with LED 140(1.7W)	65(1.6W) with LED 75(1.8W)	24 20	12 10	42(0.5W) with LED 50(0.6W)	21(0.5W) with LED 29(0.7W)		
Allowable leakage current (mA)	1.0	1.0	1.0	1.0	8	4	4	2	2	1			
Insulation resistance MΩ	100 or more				100 or more				100 or more				
Wiring type and length of wire	Grommet:300mm Plug connector:300mm				Grommet:300mm Plug connector:300mm				Grommet:300mm Plug connector:300mm				
Color of lead wire	Red(+) Black(-)		Yellow	White	Brown(+) Black(-)	Red(+) Black(-)	Yellow	White	Brown(+) Black(-)	Red(+) Black(-)			
Color of LED indicator	Red				Red		Yellow	Green	Red				
Surge suppression	Flywheel diode		Bridge diode		Flywheel diode		Varistor		Flywheel diode				

※In case that the customer will select the valves in new drawings, please recommend to use Solenoid Valve F Series(Standard:0.4W, Low-wattage type:0.1W).