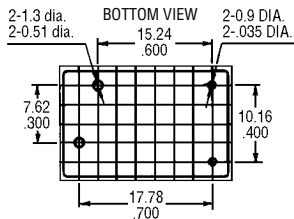


## PCB Power Relays — continued

### 8A Low Profile - JG Series



L = 22, W = 14, H = 11.6  
PCB hole dia = 0.9 (coil),  
1.3 (contacts)

- Mains switching SPNO power relay in a flat and compact package
- High switching capacity 5A/240Vac, 8A/125Vac
- High surge voltage resistance - 10,000V between coil and contact
- High sensitivity coil - 200mW operating power
- **UL, CSA, TUV, VDE, and SEMKO** approved

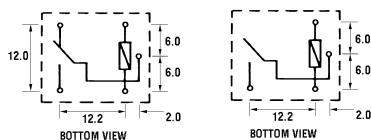
Contact arrangement	SPNO
Contact rating	5A @ 250Vac/8A @ 120Vac
Contact material	Silver alloy
Coil consumption	200mW
Operate/release	8ms/4ms
Coil operating range	80-130%
Temperature range	-40°C to +70°C

NAIS

rel108

COIL		Price Each					
Volts	Ω	Order Code	1+	25+	50+	100+	500+
<b>SPNO - JG1AF Series</b>							
12Vdc	720	<b>910-181</b>					

### 6A/10A/15A Miniature - JS/JSM Series



L = 22, W = 16.4, H = 16.4 (16 JSM)  
PCB hole dia = 1.3

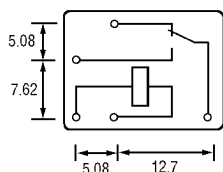
- Miniature size with universal terminal footprint
- High switching capacity 10A @ 125Vac/6A @ 277Vac
- Fully sealed construction
- Automotive version available for high capacity DC switching 15A @ 16Vdc
- Approvals include **UL** and **CSA** and **TUV** for JS Series

Contact arrangement	SPNO/SPCO
Contact rating	JS:- 6A @ 277Vac/10A @ 125Vac JSM:- 10A @ 16Vdc/15A @ 16Vdc
Contact material	Silver alloy
Coil consumption	JS:360mW; JSM:640mW
Coil operating range	JS:70-130%; JSM:53-133%
Operate/release	10ms/10ms
Temperature range	JS:-40°C to +70°C, JSM:-40°C to +85°C

REL065

COIL		Price Each					
Volts	Ω	Order Code	1+	25+	50+	100+	500+
<b>SPNO, 6A - JS1A Series</b>							
12Vdc	400	<b>910-272</b>					
<b>SPCO, 6A - JS1 Series</b>							
5Vdc	69.4	<b>.910-296</b>					
12Vdc	400	<b>.910-302</b>					
24Vdc	1600	<b>.910-314</b>					
<b>SPCO Automotive 10A - JSM1 Series</b>							
12Vdc	225	<b>910-338</b>					
<b>SPNO Automotive 15A - JSM1A Series</b>							
12Vdc	225	<b>910-351</b>					

### 5A Miniature - V23148 Series



Bottom View  
BOTTOM VIEW

L = 21.2, W = 16.5, H = 14.9  
PCB hole dia = 1.5 (contacts), 1.2 (coil)

SIEMENS

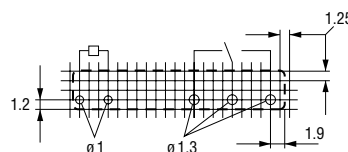
- Compact, low cost PCB mounting relays for switching supply voltages
- High switching capacity up to 1250VA
- Dielectric strength of 4000Vac
- Creepage and clearance distances in excess of 2.3mm
- Fully sealed

Contact arrangement	SPCO
Contact rating	5A @ 250Vac/26Vdc
Contact material	AgNi 10
Coil consumption	330mW
Coil operating range	70-120%
Operate/release	7ms/3ms
Temperature range	-25°C to +70°C

rel104

COIL		Price Each						
Volts	Ω	Order Code	1+	10+	25+	50+	100+	500+
<b>SPCO - V23148 Series</b>								
12Vdc	440	<b>910-739</b>						
24Vdc	1780	<b>910-740</b>						

### 6A - Ultra Slim - V23092 Series



L = 28, W = 5, H = 15  
PCB hole dia 1.3 = contact, 1 = coil

- Ultra slim package, 5mm width
- Sensitive coil - 170mW
- 4kV dielectric strength, coil/contact
- SIL terminal layout

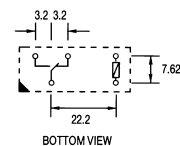
Contact arrangement	SPNO/SPCO	Coil operating range	65-160%
Contact rating	6A @ 250V ac	Operate/Release	5ms/2.5ms
Contact material	AgSnO <sub>2</sub>	Temperature range	-40°C to +85°C
Coil consumption	170mW		

rel204

COIL		Price Each					
Volts	Ω	Order Code	1+	10+	25+	50+	100+
<b>SPNO - V23092-A1xxx-A302 Series</b>							
5V dc	148	<b>959-303</b>					
12V dc	848	<b>959-315</b>					
24V dc	3390	<b>959-327</b>					
<b>SPCO - V23092-A1xxx-A301 Series</b>							
5V dc	148	<b>.959-339</b>					
12V dc	848	<b>.959-340</b>					
24V dc	3390	<b>.959-352</b>					

xxx = coil voltage

### 8A Low Profile - V23061 Series



L = 30, W = 10, H = 15  
PCB hole dia. = 1.3

- SPCO contacts
- 4kV isolation and 8mm creepage/clearance
- Gold contact version has minimum load of 1mA/6Vdc
- **BEAB, VDE, UL** and **CSA** approved

Contact arrangement	SPCO	Operate/Release	6ms/2.5ms
Contact rating	(max) 8A @ 250V ac/30V dc (min) 1mA @ 6V dc (gold plated contacts)	Coil operating range	70 - 230%

Contact material	Silver cadmium oxide	Temperature range	-40°C to +70°C
Coil consumption	210 to 260mW		

rel127

COIL		Price Each						
Volts	Ω	Order Code	1+	10+	25+	50+	100+	250+
<b>SPCO - V23061-B100X-A401 Series</b>								
6V dc	165	<b>224-546</b>						
12V dc	650	<b>224-558</b>						
24V dc	2270	<b>224-560</b>						
<b>Gold Plated Contacts SPCO - V23061-B100X-A601 Series</b>								
5V dc	118	<b>910-752</b>						
12V dc	650	<b>910-764</b>						