

PCB Relays - continued

Miniature - S2/S4 Series

Latching/Non-latching



- Available as a monostable or bistable device with bifurcated contacts ensuring low contact resistance
- Unique five layer contact design permits load switching between 1nW and 1KVA
- Pivoting rotating armature ensures high shock and vibration resistance
- Permanent magnet field is used in conjunction with the coil force resulting in a high reliability, high sensitivity relay

L=28.4, W=12.5, H=10.2
Pin spacing=5.08

- High frequency characteristics exhibit insertion losses of below 0.5dB at 100MHz
- Sealed to IP67



S2 Non-latching S4 Non-latching S2-L2 Latching

Correct coil polarity must be observed.

Contact arrangement	2NO+2NC, 4NO
Contact rating	4A @ 250V ac, 3A @ 30V dc
Max. power	90W/1000VA
Contact material	Silver alloy
Coil consumption (nom.)	192mW
Operate/Release	15ms/10ms (S2), 9ms/5ms (S3), 10ms/5ms (S4)
Coil operating range	65 - 140%
Temperature range	-55°C to +65°C

207159

COIL Volts	Ω	Order Code	1+	25+	50+	100+	+	+
DPNO + DPNC - S2 Series								
5V dc	130	117-5721	919.00	723.00	632.00	594.00	--	--
12V dc	720	117-5722	919.00	723.00	632.00	586.00	--	--
24V dc	2850	117-5723	1,005.00	789.00	691.00	631.00	--	--
4PNO - S4 Series								
5V dc	130	117-5724	919.00	723.00	632.00	594.00	--	--
12V dc	720	117-5726	919.00	723.00	632.00	584.00	--	--
24V dc	2850	117-5727	1,005.00	789.00	691.00	651.00	--	--
Latching DPNO + DPNC - S2-L2 Series								
5V dc	130 + 130	117-5728	1,115.00	891.00	780.00	706.00	--	--
12V dc	720 + 720	117-5729	1,077.00	844.00	738.00	710.00	--	--
24V dc	2850 + 2850	117-5730	1,384.00	1,245.00	1,152.00	1,059.00	--	--

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Relays & Solenoids

High Sensitivity - V23040 Series

Latching/Non-latching



V23040A L=20.0, W=10.0, H=8.2
PCB hole dia.=1.0

V23040B L=20.0, W=10.0, H=8.2
PCB hole dia.=1.0

Connections on latching type:
When pin 2 is more +tive than pin 1 then the relay assumes the off position (contacts 4/5 closed). When pin 1 is more +tive than pin 2 (or pin 2 more than pin 3) the relay switches to the on position (contacts 5/6 closed).

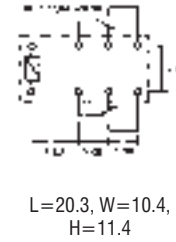
- SPCO bifurcated contacts
- 'Getter' protected chamber gives exceptional life 10⁸ operations
- Low profile, fully encapsulated metal case
- UL Recognised and CSA approved

Contact arrangement	SPCO	Contact material	Rhodium
Contact rating:		Coil consumption	From 80mW - 5V version
Max. current	2A	Operate/Release	2ms/1ms
Max. voltage	150V dc/125V ac	Coil operating range	70 - 180%
Max. power	35W/60VA	Temperature range	-40°C to +70°C

207100

COIL Volts	Ω	Order Code	1+	25+	50+	100+	+	+
SPCO - V23040-A B201 Series								
5V dc	320	117-4993	664.00	600.00	555.00	463.00	--	--
12V dc	1140	117-4994	664.00	600.00	529.00	463.00	--	--
24V dc	4370	117-4995	753.00	679.00	560.00	478.00	--	--
Latching SPCO - V23040-B B201 Series								
5V dc	315+315	117-4996	723.00	651.00	602.00	503.00	--	--
12V dc	1100+1100	117-4997	723.00	645.00	602.00	503.00	--	--
24V dc	2800+2800	117-4998	893.00	804.00	745.00	620.00	--	--

High Sensitivity - V23105-3 Series



L=20.3, W=10.4, H=11.4

- DPCO contacts
- Identical to the PED BT47W 2A Series but with a sensitive 200mW coil
- Fully sealed
- UL Recognised and CSA approved

Contact arrangement	DPCO	Coil consumption	200mW / 400mW
Contact rating	1A @ 30V dc, 0.3A @ 150V ac	Operate/Release	10ms/10ms
Contact material	Gold silver alloy on silver palladium	Coil operating range	70 - 150%
		Temperature range	-25°C to +70°C

206982

COIL		Order Code	Price Each				+	+
Volts	Ω		1+	10+	50+	100+		
DPCO - V23105-3 Series - 200mW								
5V dc	125	117-4983	242.00	163.00	149.00	138.00	--	--
12V dc	720	117-4984	242.00	163.00	149.00	138.00	--	--
24V dc	2880	117-4985	289.00	204.00	192.00	179.00	--	--
DPCO - V23105-3 Series - 400mW								
5V dc	62	421-9582	132.00	116.00	103.00	84.00	--	--
12V dc	360	421-9594	132.00	116.00	103.00	84.00	--	--
24V dc	1440	421-9600	138.00	121.00	108.00	88.00	--	--
48V dc	5760	421-9612	196.00	172.00	152.00	125.00	--	--

Subminiature Telecom - EA2 Series

NEC

PCB and Surface Mount



- 1500V FCC surge
- High sensitivity (140mW)
- Fully sealed
- UL Recognised & CSA approved

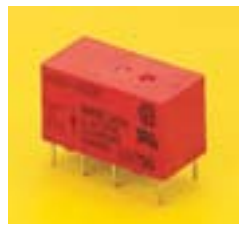
Contact arrangement	DPCO	Contact material	Silver alloy Gold overlay
Contact rating:		Coil consumption	140mW
Max. current	1A	Operate/Release	2ms/1ms
Max. voltage	220V dc/250V ac	Coil operating range	75 - 150%
Max. power	30W/62.5VA	Temperature range	-40°C to +85°C

REL238/207064

COIL		Order Code	Price Each				+	+
Volts	Ω		1+	50+	100+	250+		
DPCO - EA2 Series								
5V dc	178	109-4030	196.00	177.00	169.00	152.00	--	--
12V dc	1028	109-4031	196.00	177.00	169.00	152.00	--	--
24V dc	2880	109-4032	196.00	177.00	169.00	152.00	--	--
Surface Mount-DPCO - EB2 Series								
5V dc	178	109-4033	204.00	182.00	174.00	156.00	--	--
12V dc	1028	109-4034	204.00	182.00	174.00	156.00	--	--
24V dc	2880	109-4035	228.00	206.00	195.00	176.00	--	--

Miniature Telecom - MR82 Series

NEC



- DIL Terminal Package
- High Sensitivity (200mW)
- Fully sealed
- UL Recognised and CSA approved

Contact arrangement	DPCO	Contact material	Silver alloy Gold overlay
Contact rating:		Coil consumption	200mW
Max. current	2A	Operate/Release	5.5ms/2ms
Max. voltage	220V dc/250V ac	Coil operating range	80 - 125%
Max. power	60W/125VA	Temperature range	-40°C to +85°C

207068

COIL		Order Code	Price Each				+	+
Volts	Ω		1+	50+	100+	250+		
DPCO - MR82 Series								
5V dc	125	109-4027	168.00	150.00	129.00	109.00	--	--
12V dc	720	109-4028	168.00	150.00	129.00	109.00	--	--
24V dc	2880	109-4029	168.00	150.00	129.00	109.00	--	--