



## External Signal Conditioning

— Digital — Solid State Relays for all other products

Installs on SSR-RACK24 or SSR-RACK08 board

### [SSR-IAC-05](#)

AC Sense SSR, 90-140 VAC

### [SSR-IAC-05A](#)

AC Sense SSR, 180-280 VAC/VDC

### [SSR-IDC-05](#)

DC Sense SSR, 3-32 VDC

### [SSR-IDC-05NP](#)

DC Sense SSR, 10-32 VDC Non-Polarized Digital Inputs

### [SSR-OAC-05](#)

AC Switch SSR, 24-140 VAC, 3.5 Amps @ 120 VAC

### [SSR-OAC-05A](#)

AC Switch SSR, 24-280 VAC, 3.5 Amps rms @ 240 VAC

### [SSR-ODC-05](#)

DC Switch SSR, 1-60 VDC @ 3.5 Amp

### [SSR-ODC-05A](#)

DC Switch SSR, 4-200 DVC, 1 Amp


### [SSR-ODC-05R](#)


Reed Relay module, 0-100 VDC, 0-120 VAC, 0.5 Amp


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<b>SSR-IAC-05</b>	<b>AC Sense SSR, 90-140 VAC</b>
	<ul style="list-style-type: none"> <li>◆ AC Input</li> <li>◆ 4000 Vrms isolation</li> <li>◆ Nominal input voltage: 120 VAC</li> <li>◆ Input voltage range: 90 to 140 VAC / VDC</li> <li>◆ Input current at max voltage: 8 mA RMS</li> <li>◆ Nominal input resistance (R1): 22 kOhms</li> </ul>

<b>SSR-IAC-05A</b>	<b>AC Sense SSR, 180-280 VAC/VDC</b>
	<ul style="list-style-type: none"> <li>◆ High Voltage AC Input</li> <li>◆ 4000 Vrms isolation</li> <li>◆ Nominal input voltage: 240 VAC</li> <li>◆ Input voltage range: 180 to 280 VAC / VDC</li> <li>◆ Input current at max voltage: 8 mA RMS</li> <li>◆ Nominal input resistance (R1): 22 kOhms</li> </ul>

<b>SSR-IDC-05</b>	<b>DC Sense SSR, 3-32 VDC</b>
	<ul style="list-style-type: none"> <li>◆ DC input</li> <li>◆ 4000 Vrms isolation</li> <li>◆ Maximum input voltage: 32 VDC</li> <li>◆ Input voltage range: 3 to 32 VDC</li> <li>◆ Input current at max voltage: 18 mA</li> <li>◆ Nominal input resistance (Rx): 1.8 kOhms</li> </ul>

<b>SSR-IDC-05NP</b>	<b>DC Sense SSR, 10-32 VDC Non-Polarized DI</b>
	<ul style="list-style-type: none"> <li>◆ Non-polarized, AC or DC input</li> <li>◆ 4000 Vrms isolation</li> <li>◆ Maximum input voltage: 32 VAC / VDC</li> <li>◆ Input voltage range: 15 to 32 VAC, 10 to 32 VDC</li> <li>◆ Input current at max voltage: 18 mA</li> <li>◆ Nominal input resistance (R1): 1.8 kOhms</li> </ul>

<b>SSR-OAC-05</b>	<b>AC Switch SSR, 24-140 VAC, 3.5 Amps @ 120 VAC</b>
	<ul style="list-style-type: none"> <li>◆ SPST normally open, zero voltage turn-on (ZVT)</li> <li>◆ 4000 Vrms isolation</li> <li>◆ Typical power dissipation: 1 W/A</li> <li>◆ Nominal line voltage: 120 VAC</li> <li>◆ Load voltage range: 24 to 140 VAC</li> <li>◆ Minimum peak blocking voltage: 400 V</li> <li>◆ Maximum off-state leakage at 60 Hz: 2 mA rms</li> <li>◆ Load current range: 0.03 to 3.5 A rms</li> </ul>

<b>SSR-OAC-05A</b>	<b>AC Switch SSR, 24-280 VAC, 3.5 Amps rms @ 240 VAC</b>
	<ul style="list-style-type: none"> <li>◆ SPST normally open, zero voltage turn-on (ZVT)</li> <li>◆ 4000 Vrms isolation</li> <li>◆ Typical power dissipation: 1 W/A</li> <li>◆ Nominal line voltage: 240 VAC</li> <li>◆ Load voltage range: 24 to 280 VAC</li> <li>◆ Minimum peak blocking voltage: 600 V</li> <li>◆ Maximum off-state leakage at 60 Hz: 4 mA rms</li> <li>◆ Load current range: 0.03 to 3.5 A rms</li> </ul>

**SSR-ODC-05** **DC Switch SSR, 1-60 VDC @ 3.5 Amp**



- ◆ SPST normally open
- ◆ 4000 Vrms isolation
- ◆ Typical power dissipation: 1 W/A
- ◆ Maximum line voltage: 60 VDC
- ◆ Load voltage range: 3 to 60 VDC
- ◆ Clamping voltage: 80 VDC
- ◆ Max off-state leakage at Max voltage: 1.5 mA
- ◆ Load current range: 0.02 to 3.5 A

**SSR-ODC-05A** **DC Switch SSR, 4-200 DVC, 1 Amp**



- ◆ SPST normally open
- ◆ 4000 Vrms isolation
- ◆ Typical power dissipation: 1.5 W/A
- ◆ Maximum line voltage: 200 VDC
- ◆ Load voltage range: 4 to 200 VDC
- ◆ Clamping voltage: 360 VDC
- ◆ Max off-state leakage at Max voltage: 0.01 mA
- ◆ Load current range: 0.02 to 1 A

**SSR-ODC-05R** **Reed Relay module, 0-100 VDC, 0-120 VAC,  
0.5 Amp**



- ◆ SPST normally open, dry contact reed relay
- ◆ single reed relay output
- ◆ 1500 Vrms isolation
- ◆ Maximum line voltage: 100 VDC, 120 VAC
- ◆ Load voltage range: 0 to 100 VDC, 0 to 120 VAC
- ◆ Maximum contact rating: 10 W
- ◆ Maximum switching current: 0.5 A
- ◆ Maximum carry current: 1 A
- ◆ Minimum life expectancy:
  - 10 VDC, 10 mA - 200 x 10<sup>6</sup> cycles
  - 48 VDC, 100 mA - 500 x 10<sup>3</sup> cycles
  - 120 VAC, 80 mA - 500 x 10<sup>3</sup> cycles
- ◆ Maximum contact resistance: 250 mOhms