Solid State Input/Output Modules







DCO5-C

ACI5-C

DCI5-C

15

15

15

90 to 140 Vac

3.3 to 32 Vdc

3 to 60 Vdc

Output Modules DCO5-C and ACO5-C

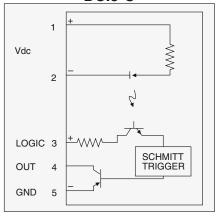
Input Specifications	DCO5-C	ACO5-C
Nominal input Voltage	5.0 Vdc	5 Vdc
Minimum input Voltage ¹	2.5 Vdc	2.5 Vdc
Maximum input Voltage ²	7.5 Vdc	7.5 Vdc
Drop out Voltage	1.0 Vdc	1.0 Vdc
Maximum input current	27 mA dc w/o LED	27 mA dc w/o LED
Typical input current	10 mA dc	10 mA dc
Nominal input resistance	240 ohms	240 ohms

[@] pin 3 ² LED in series with nominal Voltage

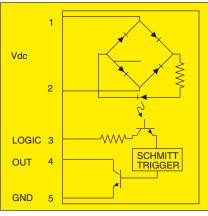
Output Specifications	DCO5-C	ACO5-C
Maximum line voltage	60 Vdc	280V rms
Minimum line voltage	3.0 Vdc	24V rms
Max peak off-state voltage	60 Vdc	600V peak
Maximum off-state leakage	1.0 mA dc	4.5 mA rms
Maximum on-state current ¹	3.0A dc	3.0A rms
Minimum on-state current	10 mA rms	50 mA rms
Peak on-state Voltage	1.5 V peak	1.6 V peak
Maximum turn-on time	50μ sec	0.5 cycle
Maximum turn-off time	100μ sec	0.5 cycle

¹ Derate 33 mA/°C above 25°C

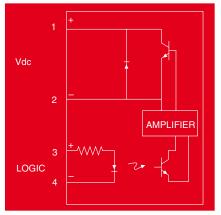
DCI5-C



ACI5-C



DCO5-C



Input Modules DCI5-C and ACI5-C

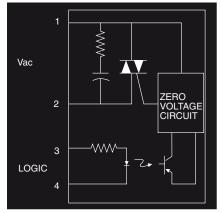
Input Specifications	DCI5-C	ACI5-C
Maximum input Voltage	32 Vdc	140V rms
Minimum input Voltage	3.3 Vdc	90V rms
Maximum input current ¹	32 mA dc	10 mA rms
Drop out current	1.0 mA dc	2.5 mA rms
Allowable off-state input	1.0 mA dc	3.0 mA rms
Allowable off-state Voltage	2.0 Vdc	50V rms/Vdc

1@ maximum input Voltage

Output Specifications	DCI5-C	ACI5-C
Nominal logic supply Voltage	5.0 Vdc	5.0 Vdc
Min logic voltage @ pin 3	1.5 Vdc	1.5 Vdc
Max logic voltage @ pin 3	6.0 Vdc	6.0 Vdc
Typical logic supply current ¹	10 mA dc	10 mA dc
Max logic supply current ²	18.5 mA dc	18.5 mA dc
Max logic supply leakage cur.2	10μA dc	10μA dc
Maximum output Voltage	30 Vdc	30 Vdc
Maximum output current	50mA dc	50mA dc
Max out. leakage current ²	10μA dc	10μA dc
Max out. Voltage drop ³	200m Vdc	200m Vdc
Maximum turn-on time	300μ sec	20ms
Maximum turn-off time	600μ sec	30ms

1 @ nomimal Voltage with LED on mounting board
2 @ maximum logic Voltage
3 @ maximum output current



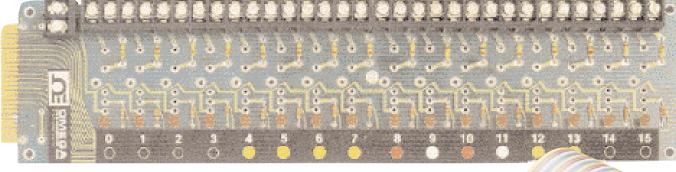


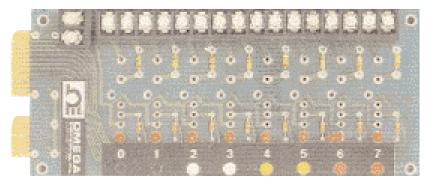
H-168

Solid State Switches

Backplanes and Accessories

\$100

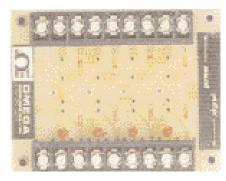






SSS-PC8-B 3 1/2" x 8 1/2" 8 position

\$**60**



SSS-PC4I-C 3 1/2" x 4 1/2" 4 Position Isolated

\$40

OMEGA can supply a complete series of versatile backplanes to mount 4, 8, 16 or 24 modules. The backplanes include LED indicators to indicate signal status, pull-up resistors to avoid undefined states, and power fuses for overload protection on each channel.

SSS-PC4-C \$35

A 4 channel backplane with screw terminal connections. Logic power and ground are common on the signal side.

SSS-PC4I-C \$40

Same as above except that all channels are isolated from each other. Without the common signal ground, only output modules may be used.

SSS-PC8-B \$60

An 8 channel backplane with channel signals, power and ground busses terminating in card edge fingers. Connection is made with either 26 or 50 pin connectors (0.10" centers)

SSS-PC16-B \$100

16 position backplanes similar to

H-169

SSS-PC8-B. Only 50 pin card edge connectors.

SSS-PC24-B \$150

24 position backplanes. Uses 50 pin card edge connector.

Cables and Accessories

OMX-1804 \$28

Solder Eye Type 50 pin connector SSS-CA2 \$20

2' Ribbon cable with 50 pin connector

SSS-CA6 \$25

6' Ribbon cable with 50 pin connector

SSS-CA10 \$30

10' Ribbon cable with 50 pin connector

SSS-F1 \$2: 1 amp fuse **SSS-F5 \$2**: 5 amp fuse

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