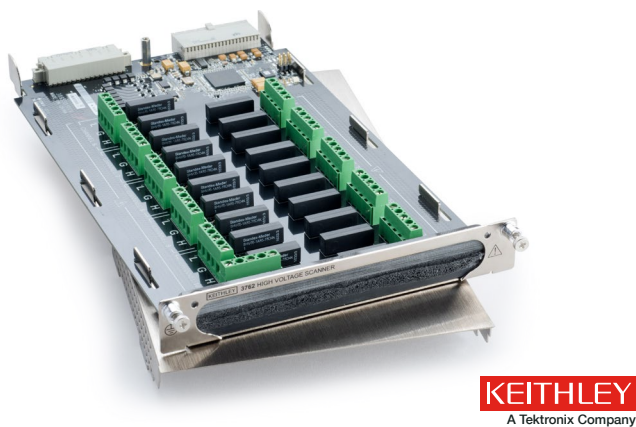
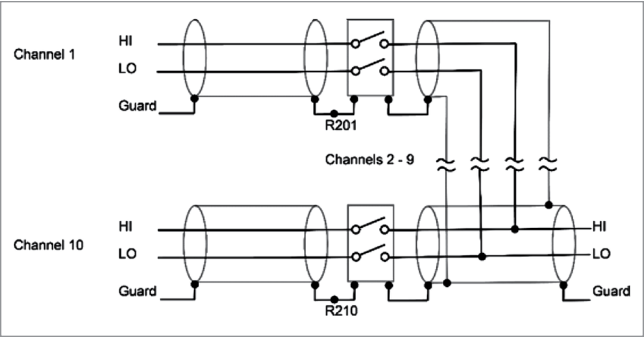


3762 10-Channel High Voltage Multiplexer Card



The 3762 switches voltages up to 1000 V peak or currents up to 0.5 A. The current carry capacity of each relay contact is 1 A. Two-pole relays switch both circuit HI and circuit LO for full floating measurements. A Guard input common to all channels is provided for shielding or as a guard driven by a single instrument. Guards may be isolated by removing resistors installed at each input. Multiple switched guard circuits can be achieved by removing the jumper and connecting circuit Guard to the LO input terminal. The 3760 does not connect to the 6 common buses on the 3706A backplane. Daisy chaining cards can be achieved by using an output channel.



Specifications

Channels Per Card	10.
Contact Configuration	2 Form A with user selectable shield or driven guard.
Connector Type	Screw terminals, #16AWG maximum wire size
Relay Drive Current	80 mA per relay typ.
Maximum Switching Levels	1000 V, 0.5 A, 10 W.
Maximum Carry Current	1 A DC or RMS.
Contact Life	>10 ⁸ closures (cold switching), >10 ⁶ closures (hot switching at 1000 V, 1 mA).
Contact Resistance	<200 mΩ initial, <2 Ω for rated life.
Contact Potential	<35 μV per contact pair.
Actuation Time	<2 ms exclusive of mainframe.
Channel Isolation	>10 ¹⁰ Ω, <10 pF.
Differential Input Isolation	>10 ⁹ Ω, <10 pF.
Common Mode Input Isolation	>10 ⁹ Ω, <150 pF.
Common Mode Voltage	1000 V peak.
EMC	Conforms with European Union Low Voltage Directive.
Operating Environment	0° to 50°C, 70% relative humidity up to 35° C.
Storage Environment	-25° to 65° C.

Contact Information:

Australia* 1 800 709 465
Austria 00800 2255 4835
Balkans, Israel, South Africa and other ISE Countries +41 52 675 3777
Belgium* 00800 2255 4835
Brazil +55 (11) 3759 7627
Canada 1 800 833 9200
Central East Europe / Baltics +41 52 675 3777
Central Europe / Greece +41 52 675 3777
Denmark +45 80 88 1401
Finland +41 52 675 3777
France* 00800 2255 4835
Germany* 00800 2255 4835
Hong Kong 400 820 5835
India 000 800 650 1835
Indonesia 007 803 601 5249
Italy 00800 2255 4835
Japan 81 (3) 6714 3010
Luxembourg +41 52 675 3777
Malaysia 1 800 22 55835
Mexico, Central/South America and Caribbean 52 (55) 56 04 50 90
Middle East, Asia, and North Africa +41 52 675 3777
The Netherlands* 00800 2255 4835
New Zealand 0800 800 238
Norway 800 16098
People's Republic of China 400 820 5835
Philippines 1 800 1601 0077
Poland +41 52 675 3777
Portugal 80 08 12370
Republic of Korea +82 2 6917 5000
Russia / CIS +7 (495) 6647564
Singapore 800 6011 473
South Africa +41 52 675 3777
Spain* 00800 2255 4835
Sweden* 00800 2255 4835
Switzerland* 00800 2255 4835
Taiwan 886 (2) 2656 6688
Thailand 1 800 011 931
United Kingdom / Ireland* 00800 2255 4835
USA 1 800 833 9200
Vietnam 12060128

*** European toll-free number. If not accessible, call: +41 52 675 3777**



Find more valuable resources at TEK.COM

Copyright © Tektronix. All rights reserved. Tektronix products are covered by U.S. and foreign patents, issued and pending. Information in this publication supersedes that in all previously published material. Specification and price change privileges reserved. TEKTRONIX and TEK are registered trademarks of Tektronix, Inc. All other trade names referenced are the service marks, trademarks or registered trademarks of their respective companies.
080217.SBG 1KW-61243-0



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Tektronix:](#)

[3762](#)