

ANSI N42.4-1971
(Reaffirmed 1985)

American National Standard for High Voltage Connectors for Nuclear Instruments

Secretariat

Institute of Electrical and Electronics Engineers, Inc.

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American National Standards Institute

American National Standard

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Foreword

(This Foreword is not a part of American National Standard for High Voltage Connectors for Nuclear Instruments. N42.4-1971.)

This standard was proposed by American National Standards Committee N42 on Nuclear Instrumentation and adopted by ANSI in order to provide for interchangeability of safe high voltage connectors in nuclear instrument applications. The connectors are of the “safe” type in that the pin and socket contacts are well and securely recessed in the connector housing so that hand or body contact of the unmated connector with rated voltage applied will not result in electrical shock. It will be noted that the connectors covered by this standard are essentially identical to the NIM (Nuclear Instrumental Module) standard high voltage connectors specified in AEC Report TID-20893.

Suggestions for improvement gained in the use of this standard will be welcomed. They should be sent to the Secretariat for N42, Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017.

The American National Standards Committee N42 on Radiation Instrumentation had the following personnel the time it approved this standard:

Louis Costrell, Chair
David C. Cook, Secretary

<i>Organization Represented</i>	<i>Name of Representative</i>
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American Conference of Governmental Industrial Hygienists	Jesse Lieberman
American Industrial Hygiene Association	W. H. Ray
American Nuclear Society	W. C. Lipinski
	Thomas Mulcahey (<i>Alt</i>)
American Society of Mechanical Engineers	R. C. Austin
American Society of Safety Engineers	(<i>Representation Vacant</i>)
American Society for Testing and Materials	John L. Kuranz
	Jack Bystrom (<i>Alt</i>)
Atomic Industrial Forum.....	(<i>Representation Vacant</i>)
Electric Light and Power Group	G. S. Keeley
	G. A. Olson (<i>Alt</i>)
Health Physics Society	J. B. Horner Kuper
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Instrument Society of America	M. T. Slind
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Oak Ridge National Laboratory	Frank W. Manning
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U. S. Atomic Energy Commission, Division of Reactor Development and Technology.....	Paul L. Havenstein
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