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Heavy Duty Enclosed and Dead-Front Switches (600 Volts Maximum)



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*Heavy Duty Enclosed and Dead-Front
Switches (600 Volts Maximum)*

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Foreword

This standards publication is intended to provide the minimum requirements for heavy duty enclosed switches

These standards are periodically reviewed by the Switch Section of NEMA for any revisions necessary to keep them up-to-date with advancing technology. User needs have been considered throughout the development of this publication. Proposed or recommended revisions should be submitted to:

Senior Technical Director, Operations
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This standards publication was developed by the Switch Section. Section approval of the standard does not necessarily imply that all section members voted for its approval or participated in its development. At the time it was approved, the Switch Section was composed of the following members:

ABB Control, Inc.—New Berlin, WI
Boltswitch, Inc.—Crystal Lake, IL
Bussmann by Eaton—St. Louis, MO
Eaton Electrical—Pittsburgh, PA
GE Industrial Systems—Plainville, CT
Hubbell Incorporated—Shelton, CT
Mersen USA LLC—Newburyport, MA
Siemens Industry, Inc.—Norcross, GA
Schneider Electric—Palatine, IL

Section 1 GENERAL

1.1 SCOPE

This standards publication covers heavy duty enclosed and dead-front switches that are:

- a. Rated at not more than 600 volts and 4000 amperes with or without a horsepower rating. The dc ratings shall be up to and including 600 volts, 1200 amperes.
- b. With or without provision for fuses
- c. With current-carrying parts and mechanisms enclosed in metallic or nonmetallic cases, or that are enclosed when mounted in an enclosed switchboard, panelboard, or the like
- d. Manually operable by means of external handles

Note—These devices may also be automatically operable by means of shunt trips, electrical operators, ground fault devices, or other mechanisms.

This standards publication does not cover:

- a. The common form of snap switches
- b. Switching devices having features intended primarily for the starting and running protection of electric motors as described in NEMA Standards Publications ICS 1, ICS 2, and ICS 3
- c. Circuit-breaker-type power circuit protectors
- d. Molded case switches as described in NEMA AB 1
- e. General duty switches meeting the minimum requirements of UL 98
- f. Fused power-circuit devices as described in UL 97
- g. Pullout switches as described in UL 1429

Fuses, lampholders, receptacles, wire connectors, wires and cables, etc., which may be provided as parts of an enclosed switch, are covered under other NEMA standards publications.

1.2 REFERENCED STANDARDS

National Electrical Manufacturers Association

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KS 2	<i>Distribution Equipment Switch Application Guide, A User's Reference</i>
KS 3	<i>Guidelines for Inspection and Preventive Maintenance of Switches Used in Commercial and Industrial Applications</i>
FU	<i>Low Voltage Cartridge Fuses</i>
AB 1	<i>Molded Case Circuit Breakers and Molded Case Switches</i>
ICS 1	<i>Industrial Control and Systems: General Requirements</i>
ICS 2	<i>Industrial Control and Systems: Controllers, Contactors, and Overload Relays, Rated Not More Than 2000 Volts AC or 750 Volts DC</i>