

Standards related to enclosures

When specifying enclosures and their accessories, it is important to bear in mind existing Standards to which the products are manufactured and/or tested. The standards are written to ensure conformity, integration with other products and safety of persons and equipment.

Some relevant Standards are listed below. For further information, please contact the relevant Standards authority.

BS 381C : 1996	Specification for colours for identification, coding and special purposes
BS 4800 : 1989 (1994)	Schedule of paint colours for building purposes
RAL	German paint colour chart (similar to BS4800)
BS 2771 : Part 1: 1986	Electrical equipment for industrial machines - Specification for general requirements
BS EN 60204-1 : 1993 BS EN 60204-1 : 1998	Specification for general requirements General requirements
BS 4278 : 1984 (1998) ISO 3266 : 1984 DIN 580 : 1972	Specification for eyebolts for lifting purposes Eyebolts for general lifting purposes Lifting eye bolts
BS 5345 : Parts 1-8	Code of practice for selection, installation and maintenance of electrical apparatus for use in potentially explosive atmospheres (other than mining applications or explosive processing and manufacture)
BS 5501 : Parts 1-9 BS EN 50014 : 1993, 1998 IEC 60079-0 : 1998	Electrical apparatus for potentially explosive atmospheres Electrical apparatus for potentially explosive atmospheres - General requirements
BS 5954 : Parts 1-3 IEC 60297 : Parts 1-4 BS EN 60297 IEC 60916 BS EN 60297-4 : 1995 IEC 60917	Mechanical structures for electronic equipment. Dimensions of mechanical structures of the 482,6 mm (19 in) series Terminology, defines definitions and detail of enclosure type. Subracks and associated plug-in units. Additional dimensions Modular order for the development of mechanical structures for electronic equipment practices
DIN 41494 1-5 ANS/EIA RS 310C	Mechanical structures for electronic equipment; mechanical structures of 482,6 mm series; guide for the application
BS 6423 : 1983 (1993)	Code of practice for maintenance of electrical switchgear and controlgear for voltages up to and including 1 kV

BS EN 60695-2-1	Guidance for assessing fire hazard of electromechanical products - Part 2: Test methods. Glow wire test methods
BS 6458 : Part 2: Section 2.1 : 1984	Fire hazard testing for electrotechnical products. Glow wire test
IEC 60695-2-1 : 1994	Fire hazard testing Part 2: Test methods. Glow wire test methods
NF C20-921-1: 1997	Fire hazard testing Part 2: Test methods. Glow wire and product test and guidance
BS EN 60439-1 : 1994	Specification for type-tested and partially type-tested assemblies
IEC 60439-1 : 1992	Low voltage switchgear and controlgear assemblies Part 1: Type-tested and partially type tested assemblies
BS EN 60439-2 : 1993	Particular requirements for busbar trunking systems (busways)
IEC 60439-2 : 1987	
BS EN 60439-3 : 1991	Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access to their use. Distribution boards
IEC 60439-3 : 1990	
BS EN 60439-4 : 1991	Particular requirements for assemblies for construction sites (ACS)
IEC 60439-4 : 1990	
BS EN 50102 : 1995	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)
BS EN 60529 : 1992	Specification for degrees of protection provided by enclosures (IP Code)
EN 60529 : 1991	
IEC 60529 : 1989	
UL 94	Degrees of flammability for plastic materials
BS EN 60950 : 1992	Specification for safety of IT equipment, including electrical business equipment
IEC 60950 : 1991	Safety of information technology equipment
BS 6941 : 1998	Specification for electrical apparatus for explosive atmospheres with type of protection N
IEC 6079-15 : 1987	Electrical apparatus for explosive gas atmospheres. Part 15: Electrical apparatus with type of protection 'n'
BS 6467	Electrical apparatus with protection by enclosure for use in the presence of combustible dust
BS 7535 : 1992	Guide to the use of electrical apparatus complying with BS 5501 or BS 6941 in the presence of combustible dusts
BS EN ISO 9000	Quality management and quality assurance standards