

Fire standards – what BSI can certify and test.

Control & Indicating Equipment and Power Supplies

BS EN 54-2:1997 +A1:2006	Fire detection and fire alarm systems control and indicating equipment.	
BS EN 54-4:1998	Fire detection and fire alarm systems power supply equipment	
BS EN 54-13:2005	Fire detection and fire alarm systems compatibility assessment of system components.	

Fire Extinguisher Panels

BS EN 12094-1:2003	Fixed fire fighting systems – components for gas extinguishing systems – requirements and test methods for electrical automatic control and delay devices.	
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Line Units

Input/Output Devices: BS EN 54-18:2005	Fire Detection and Fire Alarm Systems. Input/output devices	
Short Circuit Isolators: BS EN 54-17:2005	Fire Detection and Fire Alarm systems. Short-circuit isolators	

Smoke and Heat Detectors

BS EN 54-7:2001	Fire detection and fire alarm systems. Smoke detectors, Point detectors using scattered light transmitted light or ionisation.	
BS EN 54-5:2001	Fire Detection and fire alarm systems. Heat detectors. Point detectors.	

Sounders

BS EN 54-3:2001	Fire detection and alarm systems. Fire alarm devices. Sounders.	
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Manual Call Points

BS EN 54-11:2001	Fire detection and fire alarm systems manual call points	
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Voice Alarms

BS EN 54-16:2008	Voice alarm control and indicating equipment	
BS EN 54-24:2008	Components of voice alarm systems – loudspeakers	

Visual Alarms

BS EN 54-23:2010	Fire detection and fire alarm systems. Fire alarm devices. Visual alarm device.	
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Wireless Fire Alarm Systems

BS EN 54-25:2008	Fire detection and fire alarm systems. Components using radio links.	
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Domestic Heat/Smoke/CO Alarms

Smoke Alarms: ISO 12239	Smoke alarms using scattered light, transmitted light or ionization.	
Smoke Alarms: BS EN 14604:2005	Smoke alarm devices	
Heat Alarms: BS 5446-2:2003	Fire detection and alarm devices for dwellings. Specification for heat alarms	
CO Alarms: BS EN 50291-1:2010	Electrical apparatus for the detection of carbon monoxide in domestic premises	
CO Alarms: BS EN 50291-2:2010	Electrical apparatus for continuous operation in a fixed installation in recreational vehicles	

Combustible Gas Alarms

BS EN 50194 -1 & 2: 2009	Electrical apparatus for the detection of combustible gases in domestic premises or recreational vehicles	
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Smoke Alarms for the Deaf and Hard of Hearing

BS EN 5446-3:2005	Fire detection and fire alarm devices for dwellings. Specification for smoke alarm kits for deaf and hard of hearing people	
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Fire Extinguishers

BS EN 3-7:2004 + A1:2007	Portable fire extinguishers. Characteristics, performance requirements and test methods.	
BS EN 3-8:2006	Additional requirements to EN3-7 construction, resistance to pressure and mechanical tests for extinguishers with a maximum allowable pressure equal to or lower than 30 bar.	
BS EN 3-9:2006	Additional requirements to EN3-7 for pressure resistance of CO2 extinguishers.	
BS 6165:2002	Specification for small disposable fire extinguishers of the aerosol type.	
BS EN 1866-1:2001	Mobile fire extinguishers. Characteristics, performance and test methods.	
	BAFE approval can be achieved for the above fire extinguishers schemes.	

Fire Extinguishing Systems






FM 5560	Water mist systems.	
BS ISO 15371	Ship and marine (protection of galley deep fat cooking equipment).	
BS EN 15004-1:2008	Fixed fire fighting systems. Gas extinguishing systems.	

Fire Blankets





BS EN 1869:1997	Fire blankets	
BS 7944:1999	Type 1 heavy duty fire blankets and Type 2 heavy duty heat protective blankets	

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



Fire Hoses

BS 6391 - Type 1	Fire Hoses – no heat treatment applied liquid absorbable	
BS 6391 - Type 2	Fire Hoses – external coating against liquid adsorption	
BS 6391 - Type 3	Fire Hoses – external coating against abrasion	
BS EN 694:2001	Fire-fighting hoses. Semi-rigid hoses for fixed systems	
BS 336:1989 Fire Hose Connectors	Fire Hose couplings and ancillary equipment	






Fire Hose Reels

BS EN 671-1:2001	Hose reels with semi rigid Hose	 
BS EN 671-2:2001	Hose systems with lay flat hose	 







Fire Hydrant Valves





BS 750:2006	Specification for underground fire hydrants and surface box frames and covers	
BS EN 14339:2005	Underground fire hydrants	 
BS EN 14384:2005	Pillar fire hydrants	 
BS 5041-1:1987	Fire hydrant systems equipment. Specification for landing valves and wet risers	
BS 5041-2:1987	Fire hydrant systems equipment. Specification for landing valves and dry risers	
BS 5041-3:1975	Fire hydrant systems equipment. Specification for inlet breechings for dry riser inlets	
BS 5041-4:1975	Fire Hydrant systems equipment. Specification for boxes for landing valves or dry risers	
BS 5041-5:1974	Fire hydrant systems equipment. Specification for boxes for foam inlets and dry riser inlets	

Emergency Lighting

BS EN 60598-1:	Luminaires. General requirements and tests	
BS EN 60598-2-22:	Luminaires. Particular requirements. Luminaires for emergency lighting	
BS EN 61347-2-7:	Lamp control gear. Particular requirements for d.c. supplied electronic ballasts for emergency lighting	
BS EN 61347-2-13:	Lamp control gear. Particular requirements for d.c. or a.c. supplied electronic control gear for LED modules	
BS EN 50171:2001	Central power supply systems	

Fire Alarm, Suppression and Emergency lighting

BS 5839-1: 2002 +A2:2008	Fire detection and fire alarm systems for buildings. Code of practice for system design, installation, commissioning and maintenance	
BS 5839-6: 2004	Fire detection and fire alarm systems for buildings. Code of Practice for the design, installation, maintenance of fire detection and fire alarm systems in dwellings	
BS 5839-8: 2008	Fire detection and fire alarm systems for buildings. Code of Practice for the design, installation, commissioning and maintenance of voice alarm systems	
BS EN 15004-1:2008	Fixed fire fighting systems. Gas extinguishing systems. Design, installation and maintenance. Also includes where applicable BS 6266, BS 7273-182 Parts 1 and 2.	
BS 5266-1:2011	Emergency lighting. Code of practice for the emergency escape lighting of premises.	
	BAFE approval can also be achieved for the above Design, installation and maintenance schemes.	

Key:   Kitemark and CE marking (to the Construction Products Directive) available on this standard
 Kitemark scheme available on this standard
 CE marking on this standard to the construction Products Directive (CPD)

BSI is also a Notified Body for other directives, and can provide services for the Pressure Equipment Directive (PED), Marine Equipment Directive (MED) as well as testing in support of the EMC and LVD Directives.

If you have any questions about certification and testing for fire detection and suppression products, please contact us. Our team will be happy to help you.

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