

EN 61010-1			
Clause	Requirement + Test	Result - Remark	Verdict
5.1.5	TERMINALS, connections and operating devices		
5.1.5.1	General		—
	Where necessary for safety, indication of purpose of TERMINALS, connectors, controls and indicators marked		
	If insufficient space, symbol 14 used		
	Push-buttons and actuators of emergency stop devices and indicators:		—
	– used only to indicate a warning of danger; or		
	– the need for urgent action		
	– coloured red		
	– coded as specified in IEC 60073		
	Supplementary means of coding provided, if meaning of colour relates (see IEC 60073):		—
	– to safety of persons; or		
	– safety of the environment		
5.1.5.2	TERMINALS		—
	MAINS supply TERMINAL identified		
	Other TERMINAL marking:		—
	a) FUNCTIONAL EARTH TERMINALS (symbol 5 used)		
	b) PROTECTIVE CONDUCTOR TERMINALS:		—
	Symbol 6 is placed close to or on the TERMINAL; or		
	Part of appliance inlet		
	c) TERMINALS of control circuits (symbol 7 used)		
	d) HAZARDOUS LIVE TERMINALS supplied from the interior		
	Standard MAINS socket outlet; or		
	RATINGS marked; or		
	Symbol 14 used		
5.1.6	Switches and circuit breakers		
	If disconnecting device, off position clearly marked		
	If push-button used as power supply switch:		—
	– symbol 9 and 15 used for on-position		
	– symbol 10 and 16 used for off-position		
	– pair of symbols 9, 15 and 10, 16 close together		
5.1.7	Equipment protected by DOUBLE INSULATION or REINFORCED INSULATION		
	Protected throughout (symbol 11 used)		
	Only partially protected (symbol 11 not used)		

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	g) guidance provided to check correct function of the equipment, if incorrect reading may cause a HAZARD from harmful or corrosive substances of HAZARDOUS live parts		
	h) instructions for lifting and carrying		
	Warning statements and a clear explanation of warning symbols:		—
	– provided in the documentation; or		
	– information is marked on the equipment		
5.4.2	Equipment ratings		
	Documentation includes:		—
	a) Supply voltage or voltage range.....: Frequency or frequency range.....: Power or current rating.....:		—
	b) Description of all input and output connections in accordance to 6.6.1 a)		—
	c) RATING of insulation of external circuits in accordance to 6.6.1 b)		—
	d) Statement of the range of environmental conditions (see 1.4)		
	e) Degree of protection (IEC 60529)		
	f) If impact rating less than 5 J: IK code in accordance to IEC 62262 marked; or symbol 14 of table 1 marked, with RATED energy level and test method stated		—
5.4.3	Equipment installation		
	Documentation includes instructions for:		—
	a) assembly, location and mounting requirements		
	b) protective earthing		
	c) connections to supply		
	d) PERMANENTLY CONNECTED EQUIPMENT:		—
	1) Supply wiring requirements		
	2) If external switch or circuit-breaker, requirements and location recommendation		
	e) ventilation requirements		
	f) special services (e. g. air, cooling liquid)		
	g) instructions relating to sound level		
5.4.4	Equipment operation		
	Instructions for use include:		—
	a) identification and description of operating controls		

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5.1.8	Field-wiring TERMINAL boxes		
	If TERMINAL or ENCLOSURE exceeds 60 °C:	(see Form A.26A)	—
	Cable temperature RATING marked.....:		—
	Marking visible before and during connection or beside TERMINAL		
5.2	Warning markings		
	Visible when ready for NORMAL USE		
	Are near or on applicable parts		
	Symbols and text correct dimensions and colour:		—
	a) symbols min 2,75 mm and text 1,5 mm high and contrasting in colour with background		
	b) symbols and text moulded, stamped or engraved in material min. 2,0 mm high and 0,5 mm depth or raised if not contrasting in colour		
	If necessary marked with symbol 14		
	Statement to isolate or disconnect if access by using a tool to HAZARDOUS LIVE parts is permitted		
5.3	Durability of markings		
	The required markings remain clear and legible in NORMAL USE	(see Form A.3)	
5.4	Documentation		
5.4.1	General		
	Equipment is accompanied by documentation for safety purposes for OPERATOR or RESPONSIBLE BODY		
	Safety documentation for service personnel authorized by the manufacturer		
	Documentation necessary for safe operation is provided in printed media or in electronic media if available at any time		
	Documentation includes:		—
	a) intended use		
	b) technical specification		
	c) name and address of manufacturer or supplier		
	d) information specified in 5.4.2 to 5.4.6		
	e) information to mitigate residual RISK (see also subclause 17)		
	f) accessories for safe operation of the equipment specified		

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	b) positioning for disconnection		
	c) instructions for interconnection		
	d) specification of intermittent operation limits		
	e) explanation of symbols used		
	f) replacement of consumable materials		
	g) cleaning and decontamination		
	h) listing of any poisonous or injurious gases and quantities		
	i) RISK reduction procedures relating to flammable liquids (see 9.5)		
	j) RISK reduction procedures relating burn from surfaces permitted to exceed limits of 10.1		
	Additional precautions for IEC 60950 conforming equipment in regard to moistures and liquids		
	A statement about protection impairment if used in a manner not specified by the manufacturer		
5.4.5	Equipment maintenance and Service		
	Instructions for RESPONSIBLE BODY include:		—
	Instructions sufficient in detail permitting safe maintenance and inspection and continued safety:		—
	Instruction against the use of detachable MAINS supply cord with inadequate rating		
	Specific battery type of user replaceable batteries		
	Any manufacturer specified parts		
	Rating and characteristics of fuses		
	Instructions include following subjects permitting safe servicing and continued safety:		—
	a) product specific RISKS may affect service personnel		
	b) protective measures for these RISKS		
	c) verification of the safe state after repair		
5.4.6	Integration into systems or effects resulting from special conditions		
	Aspects described in documentation		
6	PROTECTION AGAINST ELECTRIC SHOCK		
6.1	General	(see Form A.14 and A.15)	
6.1.1	Requirements		
	Protection against electric shock maintained in NORMAL CONDITION and SINGLE FAULT CONDITION		
	ACCESSIBLE parts not HAZARDOUS LIVE		

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