ANNEX A Introduction of new symbols

Symbol designation	Symbol	Description		
IEC 60417-6042	4	Caution, risk of electric shock To identify equipment, for example, the welding power source, that has risk of electric shock.		
IEC 60417-6043		Caution, sharp edges To indicate that the marked item contains sharp edges and should not be touched without taking care.		
IEC 60417-6044		Caution, avoid listening at high volume levels for long periods To indicate that listening at high volume levels for long periods should be avoided in order to prevent possible hearing damage. In case of application as a warning sign the rules according to ISO 3864 shall be adhered to.		
IEC 60417-6045	$\stackrel{\sim}{\longrightarrow}$	Rated power input, a.c. To indicate an a.c. rated power input. In the application of this symbol, the rated value(s) should be accompanied with this symbol.		
IEC 60417-6046		Rated power input, d.c. To indicate a d.c. rated power input. In the application of this symbol, the rated value(s) should be accompanied with this symbol.		
IEC 60417-6047	$\bigcirc \widetilde{\rightarrow}$	Rated power output, a.c. To indicate an a.c. rated power output. In the application of this symbol, the rated value(s) should be accompanied with this symbol.		
IEC 60417-6048	→	Rated power output, d.c. To indicate a d.c. rated power output. In the application of this symbol, the rated value(s) should be accompanied with this symbol.		
IEC 60417-6056		Caution, moving fan blades To indicate the instructional safeguard to keep away from moving fan blades. In case of application as a warning sign the rules according to ISO 3864 shall be adhered to. Note The symbol element in the equilateral triangle was standardized in ISO 7000-0089.		
IEC 60417-6057		Caution, moving parts To indicate the instructional safeguard to keep away from moving parts. In case of application as a warning sign the rules according to ISO 3864 shall be adhered to. Note The symbol element in the equilateral triangle was standardized in ISO 7000-2411.		
IEC 60417-6069		Caution, very bright light To indicate not to watch the high level of light beam emitted, for example, by video projectors.		

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IEC 60417-6092		Class II equipment with functional earthing; Class II equipment with functional grounding (US)	
		To identify class II equipment provided with functional earth	
		NOTE – TC 108 accepted the use of just functional earth symbol (IEC 60417-5018 as an alternative to the above symbol at its last meeting.	
		Model number	
IEC 60417-6050		To identify the model number or type number of a product.	
	#	In the application of this symbol, the model number or type number of the product should be accompanied with	
		this symbol.	
IEC 60417-6049	cc	Country of manufacture	
		To identify the country of manufacture of products.	
		In the application of this symbol, the "CC" shall be	
		replaced by the two letter country code defined in ISO 3166-1.	
		Name of manufacturer and date of manufacture may be added adjacent to this symbol.	
		Note The graphical symbol element used as an outer	
		shape is modified from ISO 7000- 2497.	
IEC 60417-6172		For disconnection of all power sources before	
		servicing to avoid shock hazard	
		To identify that all power sources must be disconnected	
		before servicing to avoid shock hazard.	
		In the application of this symbol, the "electric shock	
		hazard" symbol (IEC 60417-5036) in a triangle shall be	
		used in conjunction with this plug disconnection symbol	

When the above symbol is used on a product, it is used in a combination of symbols as given below.





IEC 60417-6173



Connection, protective conductor (PE)

To provide instruction that the protective conductor (PE) should be connected first to main protective earthing terminal before connecting the line and neutral to avoid shock hazard, and that a PE connection to the main PE terminal is essential before connecting the mains to avoid electric shock

In the application of this symbol, **IEC 60417-6042** and **IEC 60417-5019** shall be used in conjunction with this symbol.

When the above symbol is used on a product, it is used in a combination of symbols as given below.

