




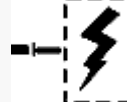
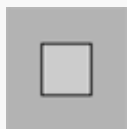
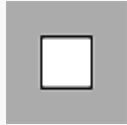
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IP (Abbreviation of International protection) **degree of protection code IP definition**

IP definition Anti-foreign objects grade

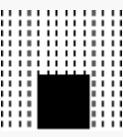

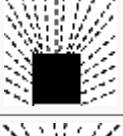
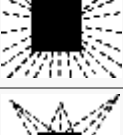
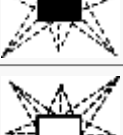
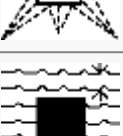

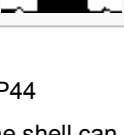
The first characteristic number of IP: Anti-solid

Feature number	Characteristics Symbol	Brief description	Models of meaning
	×	without tested	Omitted when the standard features of the protective
	○	No protection	No special protection
1		To prevent the diameter less than 50mm of solid foreign bodies	To prevent solid material larger than 50mm into the shell to prevent a large part of the human body (eg hand) incidental or accidental contact with live parts or the moving parts of the crust, can not prevent conscious approach
2		To prevent the diameter of solid foreign body is not less than 12.5mm	To prevent the diameter greater than 12mm, the length of not more than 80mm of solid material into the shell to prevent shell touch the live parts or moving parts.
3		To prevent the diameter of not less than 2.5mm of solid foreign bodies.	To prevent solid objects larger than 2.5mm into the shell to prevent the thickness (or diameter) of more than 2.5mm of the tool, the live wire touching or moving the crust moving parts.
4		To prevent the diameter of not less than 1.0mm of solid foreign bodies	To prevent solid objects larger than 1.0mm into the shell to prevent the thickness (or diameter) greater than 2.5mm metal wire touch live parts or moving the crust moving parts.
5		Dust-proof	Can not prevent dust from entering, but the amount of dust into the device does not affect the normal operation, shall not affect safety.
6		Dust density	Without any dust.

The first characteristic number of IP: waterproof , the level of water into the shell :

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Feature number	Characteristics Symbol	Brief description	Models of meaning
The second characteristic number of IP: Anti-liquid		NO TEST	Omitted when the standard features of the protective
○		No protected	No special protection
1		drip-proof	Vertical drop of water without harmful effects
2		15°drip-proof	When the enclosure tilted 15 ° from the normal position within, the vertical drop of water without harmful effects
3		Anti-watering	60 ° vertical drops of rainwater within the scope of the harmful effects of
4		Anti splash water	Splash in any direction without harmful effects.
5		Anti spray water	No harmful effects of water spray in any direction
6		Anti sea tide	Violent waves or strong out jets of water into the shell of water will not reach harmful levels
7		Anti-flooding impact	Immersed in the water pressure provided by the shell into the water after the stipulated time will not reach harmful levels.
8		Anti-dive effect	To the conditions provided by manufacturer long-term diving.

Code Examples: IP44

This code means the shell can prevent more than 1mm solid into the interior, and to prevent any water from all directions.