

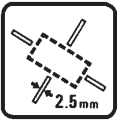





Degree of protection

■ Degree of protection




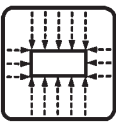
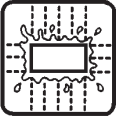
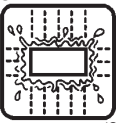


The table below gives the degrees of protection stipulated by International Electrotechnical Commission (IEC) Standard

First characteristic numeral

Class	Degree of protection against access to hazardous parts and solid foreign objects	
0	—	Non-protected
1	50mm  (CP95-2304A)	<ul style="list-style-type: none"> Protected against access to hazardous parts with the back of a hand The solid object of 50mm-dia. or greater shall not penetrate
2	12mm  (CP95-2305A)	<ul style="list-style-type: none"> Protected against access to hazardous parts with the a finger of 80mm or less length The solid object of 12mm-dia. or greater shall not penetrate
3	2.5mm  (CP95-2306A)	<ul style="list-style-type: none"> The solid object of 2.5mm-dia. or greater shall not penetrate
4	1mm  (CP95-2307A)	<ul style="list-style-type: none"> The solid object of 1mm-dia. or greater shall not penetrate
5	 (CP95-2299)	<ul style="list-style-type: none"> Normal operation secured even if the dust that can pass through screen of 75µm mesh invades
6	 (CP95-2300)	<ul style="list-style-type: none"> The dust which can pass through screen of 75µm mesh shall not invade
7	—	—
8	—	—

(IEC60529).

Second characteristic numeral

Class	Degree of protection against ingress of water	
0	—	Non-protected
1	Protection against falling water  (CP95-2301)	<ul style="list-style-type: none"> Protected against water drops falling vertically Water drops from the drip box falling from a height of 200mm for 10min
2	Protection against falling water  (CP95-2302)	<ul style="list-style-type: none"> Protected against water drops falling vertically at an angle up to 15° Water drops from the drip box falling from a height of 200mm for 10min
3	Protection against falling water  (CP95-2303)	<ul style="list-style-type: none"> Protected against water drops falling vertically at an angle up to 60° Water sprayed from a height of 300mm for 5min
4	Protection against splashing water  (CP95-2294)	<ul style="list-style-type: none"> Protected against spray of water from all directions Water sprayed by semicircle spray nozzle from all directions at 98kPa (1kgf/cm²) for 10min
5	Protection against water jets  (CP95-2295)	<ul style="list-style-type: none"> Protected against water jet from all directions Water projected by nozzle (6.3mm-inner dia.) from all directions at 29.4kPa (0.3kgf/cm²) for 15min at a distance of 3m
6	Protection against powerful water jets  (CP95-2296)	<ul style="list-style-type: none"> Protected against powerful water jet from all directions Water projected by nozzle (12.5mm-inner dia.) from all directions at 98kPa (1kgf/cm²) for 1min at a distance of 3m
7	Protection against temporary immersion in water  (CP95-2297)	<ul style="list-style-type: none"> Immersion to a depth of 1m for 30min
8	Protection against continuous immersion in water  (CP95-2298)	<ul style="list-style-type: none"> Usable under water Test condition: by agreement by manufacturer and user