

IP rating

Degrees of protection provided by enclosures (IP-Code) according to IEC/EN 60529:2000-09 (extract)

1st digit	Protection against contact	Protection against ingress of objects	2nd digit	Protection against harmful ingress of water
0	No protection	No protection	0	No protection
1	Protected against access to dangerous parts with the back of the hand	Protected against solid foreign object size $\geq 50\text{mm}$	1	Protected against dripping water
2	Protected against access to dangerous parts with a finger	Protected against solid foreign object size $\geq 12.5\text{mm}$	2	Protected against dripping water when tilted up to 15°
3	Protected against access to dangerous parts with a tool	Protected against solid foreign object size $\geq 2.5\text{mm}$	3	Protected against spraying water
4	Protected against access to dangerous parts with a wire	Protected against solid foreign object size $\geq 1\text{mm}$	4	Protected against splashing water
5	Protected against access to dangerous parts with a wire	Protected against dust	5	Protected against water jets
6	Protected against access to dangerous parts with a wire	Dust tight	6	Protected against powerful water jets
-	-	-	7	Protected against temporary immersion in water
-	-	-	8	Protected against continuous immersion in water