

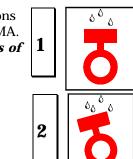
IP (Ingress Protection) Ratings

The **first number** indicates the degree of protection against solid foreign objects or dust. The second **number** indicates the degree of protection against water.

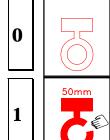


Non-protected

There is no rating of additional environmental conditions such as corrosion, icing, hail, oils or coolants as in NEMA. Example: IP 65 is protected against dust and jets of water from any direction.

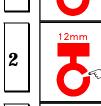


Protected against water dripping vertically, such as condensation



Non-protected

Protected against dripping water when tilted up to 15°



Protected against a solid object greater than 50mm, such as a hand

3

Protected against water spraying at an angle of up to 60°



Protected against a solid object greater than 12mm, such as a finger

4

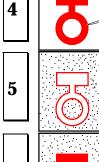
Protected against water splashing from any direction



Protected against a solid object greater than 2.5mm, such as a tool or wire

5

Protected against jets of water from any direction



Protected against a solid object greater than 1.0mm, such as wire or thin strips

6

Protected against heavy seas or powerful jets of water - prevents ingress sufficient to cause harm

Dust-protected prevents ingress of dust sufficient to cause harm

Protected against harmful ingress of water when immersed between a depth of 150mm to 1 meter

Dust tight no dust ingress

Protected against submersion - suitable for continuous immersion in water