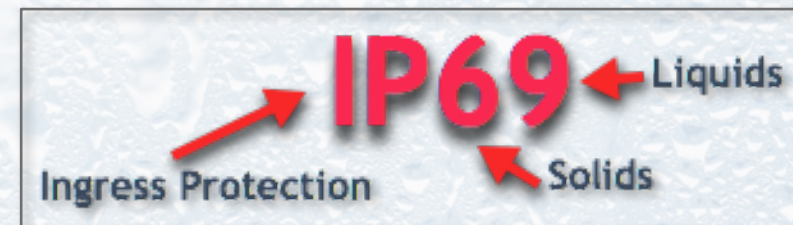


WHAT IS IP69K? (CONTINUED)



The following tables provides a reference for the “solids” numerical ratings:

SOLIDS		
Rating	Protection Limits	Description
0	No Protection	There is no protection from ingress of objects
1	Objects larger than 50mm	No ingress of objects larger than 50mm (i.e., hands, but not fingers)
2	Objects larger than 12.5mm	No ingress of objects larger than 12.5mm (i.e., fingers or similar)
3	Objects larger than 2.5mm	No ingress of objects larger than 2.5mm (i.e., screwdriver or similar)
4	Objects larger than 1mm	No ingress of objects larger than 1mm (i.e., wires, large bugs and similar)
5	Limited dust ingress protection	No ingress of most dust particles but not complete ingress.
6	Full dust ingress protection	No ingress of dust (dust tight). Surpasses previous protection limits.



WHAT IS IP69K? (CONTINUED)



The following tables provides a reference for the “liquids” numerical ratings:

LIQUIDS		
Rating	Protection Limits	Description
0	No Protection	No protection from ingress of liquids
1	Straight water drops	No vertical water dripping ingress (i.e., 1mm rainfall/min)
2	Water dripping at 15° angle	No water drops at 15° angle ingress (i.e., 3mm rainfall/min)
3	Water dripping at 60° angle	No water spray at any angle up to 60° ingress (i.e., water spray nozzle)
4	Water splash, all directions	No water splashing from any angle ingress
5	Water jets	No ingress from a 4.4PSI (0.3Bar) water jet at 3m distance from any angle
6	Powerful water jets	No ingress from a 14.5PSI (1 Bar) water jet at 3m distance from any angle
6K	Higher power water jets	No ingress from a 145 PSI (10 Bar) water jet at 3m distance from any angle
7	Up to 1m water immersion	No ingress from immersion of lowest part up to 1000mm below water surface
8	Over 1m water immersion	No ingress from immersion of lowest part up to 3m below water surface
9K	High pressure and temperature water jets	No ingress up to 1100 to 1450 PSI (80 to 100 bar) close range water jet pressure with water up to 80° C. Surpasses previous protection limits.