



# Data Sheet

## IP Ratings




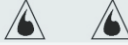

IP = Ingress Protection. This IP rating classifies the degree of protection from dust and moisture. This system is recognised by most European countries.

A typical rating would be IP54, where the first character (5) relates to the ingress of dust and the second character (4) relates to the ingress of moisture.

### First Character:

IP x -	Degree of protection against dust	Symbol
0	No protection	
1	Protected against solid objects greater than 50mm diameter eg. hand	No symbol
2	Protected against solid objects greater than 12mm diameter eg. fingers	No symbol
3	Protected against solid objects greater than 2.5mm diameter eg. tools, wires	No symbol
4	Protected against solid objects greater than 1.0mm diameter eg. small tools, wires	No symbol
5	Protected against limited ingress of dust eg. no interference in operation of unit	
6	Protected against any ingress of dust	

### Second Character:

IP - x	Degree of protection against moisture	Symbol
0	No protection	
1	Protected against vertically dripping water	
2	Protected against vertically dripping water up to 15 degrees from vertical	No symbol
3	Protected against spraying water up to up to 60 degrees from vertical	
4	Protected against splashing water from any direction	
5	Protected against jets of water from any direction	
6	Protected from powerful jets of water with limited ingress with no harmful effect	No symbol
7	Protected against total immersion in water for limited periods	
8	Protected against total immersion in water under pressure for an indefinite period - depth shown in metres	