

Enclosure IP Rating Screen Calculator

Compare entered dust and water protection digits with project minimums and show the resulting margins without treating the output as product certification.

Generated October 10, 2026

<https://www.elecatrix.com/testing-protection-grounding/enclosure-ip-rating-calculator/>

Inputs

Input	Value	Unit
Entered dust digit	6	
Entered water digit	5	
Required dust digit	5	
Required water digit	4	

Results

Result	Value	Unit
Entered IP code	IP65	
Dust digit margin	1	
Water digit margin	1	
Entered IP digit screen	meets_entered_screen	

Calculation details

Detail	Value	Unit
Calculation basis	The worksheet compares the entered dust and water digits independently with the entered minimum digits.	
Boundary	Screen only; this does not certify an enclosure rating, product marking, installation condition, or environmental suitability.	

Formulas

IP code = IP + entered dust digit + entered water digit

dust digit margin = entered dust digit - required dust digit

water digit margin = entered water digit - required water digit

rating comparison = meets entered screen when both margins are zero or greater

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Warnings and limitations

Gated worksheet only. It does not certify an enclosure rating; confirm the exact product marking, test basis, installation environment, and adopted requirements separately.