

INTERNATIONAL PROTECTION CLASSES ACCORDING TO DIN EN 60529 (IEC 529/VDE 047 T1)

CODE LETTERS
(International
Protection)

IP

FIRST INDEX FIGURE
(foreign bodies protection)

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SECOND INDEX FIGURE
(water protection)

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INDEX	DEGREE OF PROTECTION
0	 No protection against accidental contact, no protection against solid foreign bodies
1	 Protection against contact with any large area by hand and against solid foreign bodies with $\varnothing > 50$ mm
2	 Protection against contact with the fingers, protection against solid foreign bodies with $\varnothing > 12$ mm
3	 Protection against tools, wires or similar objects with $\varnothing > 2.5$ mm, protection against solid foreign bodies with $\varnothing > 2.5$ mm
4	 As 3, however $\varnothing > 1$ mm
5	 Full protection against contact, protection against interior injurious dust deposits
6	 Total protection against contact, protection against penetration of dust

INDEX	DEGREE OF PROTECTION
0	 No protection against water
1	 Protection against vertical water drips
2	 Protection against diagonal water drips (up to a 15° angle)
3	 Protection against diagonal water drips (up to a 60° angle)
4	 Protection against splashed water from all directions
5	 Protection against water (out of a nozzle) from all directions
6	 Protection against ingress of water in case of temporary flooding
7	 Protection against ingress of water in case of temporary immersion
8	 Protection against ingress of water in case of continuous immersion, requirements under agreement of user and manufacturer
9	 Protected against close-range high pressure, high temperature spray downs