

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

CODE LETTERS
(International
Protection)

IP

FIRST INDEX FIGURE
(foreign bodies protection)

6

SECOND INDEX FIGURE
(water protection)

8

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 $\varnothing > 50 \text{ mm}$
2	Protection against contact with the fingers, protection against solid foreign bodies with $\varnothing > 12 \text{ mm}$
3	Protection against tools, wires or similar objects with $\varnothing > 2.5 \text{ mm}$, protection against solid foreign bodies with $\varnothing > 2.5 \text{ mm}$
4	As 3, however $\varnothing > 1 \text{ mm}$
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

Diagram in accordance with DIN VDE 470-1, DIN EN 60529, IEC 60529