

Ingress Protection

according to IEC 60529, DIN EN 40050

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First Index Code	Protection against contact and penetrating foreign bodies	Degree of protection (contact/foreign bodies)
0	No Protection	No contact protection, no protection against solid foreign bodies
1	Protection against large foreign bodies	Protection against large contact area with hands and foreign bodies with $0 > 50$ mm
2	Protection against medium foreign bodies	Protection against large contact with fingers and foreign bodies with $0 > 12.5$ mm
3	Protection against small foreign bodies	Protection against tool contact foreign bodies, wires or the like with $0 > 2.5$ mm
4	Protection against foreign grains	see 3, but $0 > 1$ mm
5	Dust-protected	Full contact protection. Protection against dust deposits inside.
6	Dust-tight	Full contact protection. Protection against dust penetration.

Second Index Code	Protection against fluids	Degree of protection (water)
0	No Protection	No protection against water
1	Protection against dripping water	Protection against vertical water drops.
2	Protection against inclined water drops	Protection against inclined water drops (any angle up to 15° to vertical line).
3	Protection against spraying water	Protection against splash water from all directions, 60° to vertical line.
4	Protection against splashing water	Protection against splash water from all directions.
5	Protection against water jets	Protection against water jets from any angle.
6	Protection against powerful jets	Protection against temporary flooding.
7	Protection against immersion	Protection against water penetration 1m below water
8	Protection against submersion	Protection against pressure water for an indefinite time (customer tailored).
9K	Protection against heavy pressure cleaning	Protection against water from any angle with heavy pressure.

Code Letters
(International Protection)

First Index Figure
(Foreign bodes protection)

Second Index Figure
(Water protection)

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