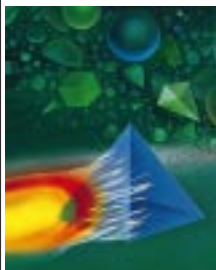


The ideal case for all applications. Be it for indoor use, as table-top unit or wall-mounting system, or for the mobile application as hand-held-box – OKW case systems offer a high standard of quality to protect your electronic equipment.



Our products with specification of protection classes have a particular design and are tested as unique object VDE and/or according to IEC 529. When performing

Each type of protection is specified by a code composed of the standard index IP and two digits defining the degree of protection (example: IP 65).

The following table contains the protection classes which can at least be achieved by OKW. You will find an explanation for the protection classes on the opposite page.

PROTECTION CLASSES















| IP.. | Product Group | starting on page |
|---------|---|------------------|
| < IP 41 | Euro Cases | 147 |
| | Flat-Pack Cases | 169 |
| | Lux Cases | 137 |
| | Hand-Held-Boxes | 39 |
| | Potting Boxes | 199 |
| | Motec Cases | 105 |
| | DIN-Modular Cases type A | 181 |
| | DIN-Modular Cases type B without protection cover | 189 |
| | Desk Cases | 123 |
| | Shell-Type Cases type V/O; G without sealing kit | 91 |
| | Smart-Cases XS | 13 |
| | Plug Cases | 177 |
| | Keyboard Housings | 133 |
| | Toptec Cases | 165 |
| | Wall-Mounting Cases A 96 24... with front panel | 65 |
| IP 41 | Smart-Cases M | 13 |
| | Wall-Mounting Cases S with front panel | 68 |
| IP 53 | DIN-Modular Cases type B with protection cover | 189 |
| IP 54 | Datec-Controls with sealing kit | 31 |
| | Datec-Pocket-Boxes S with sealing | 19 |
| | Datec-Terminals with sealing | 111 |
| | Vario-Boxes with front panel | 47 |
| | Wall-Mounting Cases S with transparent cover | 68 |
| IP 64 | Vario-Boxes with front frame and front panel | 47 |
| | Vario-Boxes with frame cover | 47 |
| IP 65 | Datec-Keyboards with sealing | 129 |
| | Datec-Mobil-Boxes with sealing kit | 25 |
| | Datec-Pocket-Boxes L and M with sealing | 19 |
| | Robust-Boxes with sealing | 77 |
| | Shell-Type Cases type G with sealing kit | 91 |
| | Vario-Boxes with cover | 47 |
| IP 66 | Uni-Resist-Boxes | 85 |



PROTECTION CLASSIFICATIONS

According to DIN 40 050 / IEC 529 – Definition of indexes



| DEGREES OF CONTACT PREVENTION AND GUARDING AGAINST FOREIGN MATTER | | | DEGREES OF WATER PROTECTION | | |
|---|---|--|-----------------------------|--|--|
| First index digit | EXTENT OF PROTECTION | | Second index digit | EXTENT OF PROTECTION | |
| | PROTECTION | EXPLANATION | | PROTECTION | EXPLANATION |
| 0 | no protection | – | 0 | no protection | – |
| 1 | against large foreign bodies  | Protection of persons from accidental large-area direct contact with active or internal moving parts (e.g. hand contact), but no guard against intentional access to such parts. Protection of the object from access of solid foreign matter larger than 50 mm in diameter. | 1 | against water dripping vertically  | Water drops falling vertically must not have any harmful effect. |
| 2 | against medium-size foreign bodies  | Protection of persons from finger contact with active or internal moving parts. Protection of the object from access of solid foreign matter larger than 12 mm in diameter. | 2 | against water dripping up to 15°  | Water drops falling at any angle up to 15° with the vertical must not have any harmful effect. |
| 3 | against small foreign bodies  | Protection of persons from touching active or internal moving parts with tools, wires or similar foreign bodies thicker than \varnothing 2.5 mm. Protection of the object from access of solid foreign matter larger than 2.5 mm in diameter. | 3 | against spray water  | Water hitting the object at any angle up to 60° with the vertical must not have any harmful effect. |
| 4 | against granular foreign bodies  | Protection of persons from touching active or internal moving parts with tools, wires or similar foreign matter > than \varnothing 1.0 mm. | 4 | against spray water  | Water splashing against the object from all directions must not have any harmful effect. |
| 5 | from deposit of dust  | Total protection of persons from touching voltage-carrying or internal moving parts. Protection of the object from harmful deposit of dust. Access of dust is not completely prevented, but dust is prevented from access in a quantity impairing the functioning. | 5 | against jet water  | A jet of water nozzled against the object from all directions must not have any harmful effect. |
| 6 | from access of dust  | Total protection of persons from touching voltage-carrying or internal moving parts. Protection of the object from access of dust. | 6 | against flooding  | Water of temporary flooding, as by heavy seas, must not enter the object in any harmful quantity. |
| | | | 7 | in dipped state  | If the object is dipped into water (0.15-1m) under the defined conditions of pressure and time, water must not enter it in any harmful quantity. |
| | | | 8 | in submerged state  | If the object is submerged in water under defined extremely conditions, water must not enter in any harmful quantity. |

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