

General



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. For special modification or mounting with accessories we recommend a certification of the final products.

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.

General		Protection classes of OKW cases	
prot. class	product group	starting from page	
< IP 40	EURO CASE	72	
	LUX CASE	74	
	HAND-HELD-BOX	32	
	POTTING BOX	100	
	DIN-MODULAR CASE TYPE A	94	
	DIN-MODULAR CASE TYPE B without snap-in cover	97	
	DESK CASE	58	
	RAILTEC B	84	
	RAILTEC C	88	
	SHELL-TYPE CASE V/O; G without sealing	62	
	PLUG CASE	83	
	KEYBOARD HOUSING	58	
	IP 40	ART-CASE	80
COMTEC		56	
DIATEC		34	
ERGO-CASE L with display trim		28	
FLAT-PACK CASE N and H and A with front panel		78	
MEDITEC		68	
MOTEC with front and rear panel / sloping control panel and rear panel		66	
SMART-CASE without sealing		14	
SOFT-CASE without/with intermediate ring in ABS		16	
TOPTEC		76	
UNITEC		60	
IP 41		DATEC-POCKET-BOX without sealing	18
	MINITEC	12	
	SENSO-CASE	30	
	SMART-CASE M, L & XL without sealing	14	
IP 53	DIN-MODULAR CASE TYPE B with snap-in cover	97	
IP 54	DATEC-CONTROL M & L with sealing kit	22	
	DATEC-POCKET-BOX S, M and L with sealing	18	
	DATEC-TERMINAL with sealing	52	
	ERGO-CASE with sealing kit (except size L with display trim)	28	
	INTERFACE-TERMINAL with sealings	48	
	SOFT-CASE with intermediate ring in TPE, without battery compartment	16	
IP 64	VARIO-BOX with front frame and front panel	36	
	VARIO-BOX with front cover	36	
IP 65	DATEC-CONTROL XS & S with sealing	22	
	DATEC-KEYBOARD with sealing	59	
	DATEC-MOBIL-BOX with sealing kit	20	
	HAND-TERMINAL with sealing (case, front panel)	26	
	SHELL-TYPE CASE G with sealing kit, without battery compartment	62	
	SMART-BOX with sealing (width 170)	42	
	SMART-CASE L & XL versions II-IV with sealing	14	
	SNAPTEC with sealing	40	
	VARIO-BOX with cover	36	
IP 66	ROBUST-BOX with sealing	44	
	SMART-BOX with sealing (width 90/110/130)	42	

DEFINITION OF INDEXES

DEGREES OF CONTACT PREVENTION AND GUARDING AGAINST FOREIGN MATTER			DEGREES OF WATER PROTECTION		
First index digit	protection	Extent of protection explanation	Second index digit	protection	Extent of 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 vertically at any angle up to 15° 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 splash 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 (0.15-1 m) 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.