













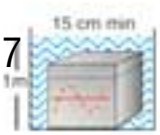



THE IP AND IK CLASSIFICATIONS

Ingress protection class of enclosures is given in the form of IP classification, a two digit coding which is shown below. Fibox has tested the enclosures according to IEC 529 or the newer EN 60529 4:1992. The latter requires the second digit to be tested from class 6 upwards separately to each level of class, thus the double marking IP 66 / IP 67 indicates that the actual tests have been made for both levels.

The new European standard for empty enclosures, EN 50298:98 includes the new IK impact test, too. This test is described in EN 50102, and as Fibox enclosures are being tested to EN 50298:98, the data for impact resistance will be available as well.

FIRST NUMBER Protection against solid objects		SECOND NUMBER Protection against liquids	
IP	TEST	IP	TEST
0	 no protection	0	 no protection
1	 protected against solid objects up to 50 mm e.g. accidental touch by hands.	1	 protected against vertically falling drops of water.
2	 protected against solid objects up to 12 mm e.g. fingers.	2	 protected against direct sprays of water up to 15° from the vertical.
3	 protected against solid objects over 2.5 mm (tools+ small wires).	3	 protected against sprays to 60° from the vertical.
4	 protected against solid objects over 1mm (tools+ small wires).	4	 protected against water sprayed from all directions - limited ingress permitted.
5	 protected against dust - limited ingress permitted (no harmful deposit).	5	 protected against low pressure jets of water from all directions - limited ingress permitted.
6	 totally protected against dust.	6	 protected against strong jets of water e.g. for use on shipdecks - limited ingress permitted.
		7	 protected against the affects of immersion between 15 cm and 1 m.
		8	 protected against long periods of immersion under pressure.