IP and IK

The under IP class table which use two numbers to code has shown the protection class about the box against immerge . SCAN has according as IEC529 or new EN605294:1992 standard tested the box . The last standard requests that you must separately do test for the second digit of every class if it has exceeded 6 class . So double mark IP 66/IP 67 show that it must do two steps actual test .

Against solid

IP	Testing
0	No protection
1	Can against exceed 50mm solid harm , eg . Suddenly touch with hand
2	Can against exceed 12mm solid harm , eg . Just like the size of finger
3	Can against exceed 2.5 mm solid harm , eg (small tool , thin wire)
4	Can against exceed 1mm solid harm , eg (small tool,thin wire)
5	Can against dust harm .
6	Can against dust harm completely .

Against liquid

IP	Testing
0	No protection
1	Can against perpendicular drop
2	Can against directly spray , which under 15° with perpendicularity direction .
3	Can against spray , which have 60° angle with perpendicularity direction .
4	Can against spray , which comes from different directions.
5	Can against low pressure spray , which comes from different directions .
6	Can against high pressure spray , which comes from different directions
7	15cm min / 1m — Can against effect when immerged from 15cm to 1m
8	1m — Can against effect when existed pressure and immerged for long

Against mechanical striking

IK	Testing
00	No protection
01-05	Striking 1 JOULE
06	Striking 1 JOULE — 500g, 20cm
07	Striking 2 JOULE — 500g, 40cm
08	Striking 5 JOULE — 1.7kg, 29.5cm
09	Striking 10JOULE — 5kg, 20cm
10	Striking 20JOULE — 5kg, 40cm