

IP

(INGRESS PROTECTION) RATING GUIDE

PROTECTION FROM SOLIDS

PROTECTION FROM LIQUIDS


1



Protected against a solid object greater than 50mm such as a hand.

● ● ● ● ● ● ● ●

Protected against vertically falling drops of water. Limited ingress permitted



● ● ● ● ● ● ● ●

1


2



Protected against a solid object greater than 12.5 mm such as a finger

● ● ● ● ● ● ● ●

Protected against vertically falling drops of water, with enclosure tilted up to 15 degrees from the vertical. Limited ingress permitted



● ● ● ● ● ● ● ●

2

3



Protected against a solid object greater than 2.5 mm such as a screwdriver

● ● ● ● ● ● ● ●

Protected against sprays of water up to 60 degrees from the vertical. Limited ingress permitted for three minutes



● ● ● ● ● ● ● ●

3

4



Protected against a solid object greater than 1 mm such as a wire

● ● ● ● ● ● ● ●

Protected against water splashed from all directions. Limited ingress permitted



● ● ● ● ● ● ● ●

4

5



Dust protected, Limited ingress of dust permitted. Will not interfere with operation of the equipment. Two to eight hours

● ● ● ● ● ● ● ●

Protected against jets of water. Limited ingress permitted



● ● ● ● ● ● ● ●

5


6



Dust tight. No Ingress of dust. Two to eight hours

● ● ● ● ● ● ● ●

Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities



● ● ● ● ● ● ● ●

6


7



Protected against the effects of immersion in water between 15 cm and 1 m for 30 minutes

● ● ● ● ● ● ● ●

Protected against jets of water. Limited ingress permitted



● ● ● ● ● ● ● ●

7


8



Protected against the effects of immersion in water under pressure for long periods.

● ● ● ● ● ● ● ●

Protected against the effects of immersion in water under pressure for long periods.



● ● ● ● ● ● ● ●

8

RATING EXAMPLE:

IP 65

(INGRESS PROTECTION)