

Technical information

General user information

Casing protection classification standard description

Ip67

Code letters(International Protection) _____
 1st character numeral _____
 (degree of protection against access to hazardous parts
 and against solid foreign objects)
 2nd character numeral _____
 (degree of protection against ingress of water)

| 1st charact. numeral | Definition | Remark |
|----------------------------|---|--|
| 0 | Non-protected | |
| 1 | Protected against access to hazardous parts with the back of a hand. Protected against solid foreign objects of $\phi \geq 50\text{mm}$. | |
| 2 | Protected against access to hazardous parts with a finger. Protected against solid foreign objects of $\phi \geq 12.5\text{mm}$. | |
| 3 | Protected against access to hazardous parts with a tool. Protected against solid foreign objects $\phi \geq 12.5\text{mm}$. | |
| 4 | Protected against access to hazardous parts with a wire. Protected against solid foreign objects $\phi \geq 1\text{mm}$. | |
| 5 | Protected against access to hazardous parts with a wire. Dust-protected. | Intrusion of dust is not totally prevented, but dust shall not penetrate in a quantity to interfere with satisfactory operation of the device or to impair safety. |
| 6 | Protected against access to hazardous parts with a wire. dust-tight. | No intrusion of dust. |

| 2nd charact. numeral | Definition | Remark |
|----------------------------|--|--|
| 0 | Non-protected | |
| 1 | Protected against water drops | |
| 2 | Protected against water drops when enclosure tilted up to 15° | |
| 3 | Protected against spraying water | Water sprayed at an angle up to 60° on either side of the vertical shall have no harmful effects. |
| 4 | Protected against splashing water | Water splashed against the enclosure from any direction shall have no harmful effects |
| 5 | Protected against water jets | |
| 6 | Protected against powerful water jets | |
| 7 | Protected against the effects of temporary immersion in water | Intrusion of water in quantities causing harmful effects shall not be possible when the enclosure is temporarily immersed in water for 30 min. in 1 m depth. |
| 8 | Protected against the effects of continuous immersion in water | Intrusion of water in quantities causing harmful effects shall not be possible when the enclosure is continuously immersed in water under conditions which shall be agreed between manufacturer and user but which are more severe than for numeral 7. |
| 9 | Protected against water during high pressure/steam cleaning | |