

IP RATING

According to EN 60529 / IEC 60529

The protective systems are stated through a short-code sign, composing of the first two unchangeable indicating letters IP and two indexes for the protection degree i.e. IP 68 [6 = First Index 8 = Second Index]



First Index: Protection of ingress solids

Second Index: Protection of ingress liquids

| Index | First Index | | Second Index | |
|-------|--|---|--|---|
| | Designation | Description | Designation | Description |
| X | | Protection level not tested | | Protection level not tested |
| 0 | No protection | No protection | No Protection | No Protection |
| 1 | Protection against large sized foreign bodies | Protection against penetration of solid foreign bodies with a diameter larger than 50mm | Protection against dripping water falling vertically | Water drops falling vertically may not have any harmful consequences. |
| 2 | Protection against medium sized foreign bodies | Protection against contact of fingers with active or inner agitated particles. Protection against penetration of solid foreign bodies with a diameter larger than 12 mm. | Protection against dripping water falling diagonally | Water drops falling in any angle of 15° to the vertical line may not have any harmful consequences. |
| 3 | Protection against small sized foreign bodies | Protection against contact of active or inner agitated particles with tools, wires, etc. with a thickness of more than 2.5 mm. Protection against penetration of solid foreign bodies with a diameter larger than 2.5 mm. | Protection against spray water | Water falling in any angle up to 60° to the vertical line may not have any harmful consequences. |
| 4 | Protection against granulated foreign bodies | Protection against contact of active or inner agitated particles with tools, wires or similar with a thickness of more than 1 mm. | Protection against splashing water | Water splashing from all direction onto resources may not have any harmful consequences. |
| 5 | Protection against dust deposit | Complete protection against contact with current-carrying or inner agitated particles. Protection against harmful dust deposit. | Protection against water jets | A water jet from a nozzle directed onto resources from all directions may not have any harmful consequences |
| 6 | Protection against dust penetration | Complete protection against contact with current-carrying or inner agitated particles. Protection against penetration of dust. | Protection against inundation | In case of temporary inundation i.e. for heavy seas, water may not penetrate resources in harmful quantities |
| 7 | N/A | N/A | Protection at immersion | Water may not penetrate in harmful quantities when resources are immersed into water under the determine pressure and time conditions |
| 8 | N/A | N/A | Protection at submersion | Water may not penetrate in harmful quantities when resources are submerged under water (1.2 m water depth, 1 hour) |
| 9K | N/A | N/A | Protection against high powered water jets | Water may not penetrate in harmful quantities from close-range, powerful, high-temperature water jets. |



“Unsurpassed in Cable Protection and Strain Relief”

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