



FIRST NUMBER	PROTECTION AGAINST SOLID	SECOND NUMBER	PROTECTION AGAINST LIQUIDS	IK CODE	MECHANICAL IMPACT RESISTANCE
0	Unprotected	0	Unprotected	00	Unprotected
1	>50 mm Any large surface of the body, such as the back of a hand, but no protection against deliberate contact with a body part	1	Dripping water Dripping water (vertically falling drops) shall have no harmful effect	01	Impact = 0.15 joule
2	>12.5 mm Fingers or similar objects	2	Dripping water when tilted up to 15° Vertically dripping water shall have no harmful effect when the enclosure is tilted at an angle up to 15° from its normal position	02	Impact = 0.20 joule
3	>2.5 mm Tools, thick wires, etc.	3	Spraying water Water falling as a spray at any angle up to 60° from the vertical shall have no harmful effect	03	Impact = 0.35 joule
4	>1.0 mm Tools, thick wires, etc.	4	Splashing water Water splashing against the enclosure from any direction shall have no harmful effect	04	Impact = 0.50 joule
5	Dust protected Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment; complete protection against contact	5	Water jets Water projected by a nozzle against enclosure from any direction shall have no harmful effects	05	Impact = 0.70 joule
6	Dust tight No ingress of dust; complete protection against contact.	6	Powerful water jets Water projected in powerful jets against the enclosure from any direction shall have no harmful effects	06	Impact = 1 joule
		7	Immersion up to 1 m Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 m of submersion)	07	Impact = 2 joule
		8	Immersion beyond 1 m The equipment is suitable for continuous immersion in water under conditions which shall be specified by the manufacturer	08	Impact = 5 joule
			NOTE: Normally, this will mean that the equipment is hermetically sealed. However, with certain types of equipment, it can mean that water can enter but only in such a manner that produces no harmful effects	09	Impact = 10 joule
				10	Impact = 20 joule