Electrical protection class

1: Protection classes against the penetration of foreign matters

Code figure	Brief description	Definition
0	unprotected	–
1	protected against solid bodies of 50mm or bigger	The probe head, a ball with a diameter of 50mm, must not completely enter the part.
2	protected against solid bodies of 12.5mm or bigger	The probe head, a ball with a diameter of 12.5mm, must not completely enter the part.
3	protected against solid bodies of 2.5mm or bigger	The probe head, a ball with a diameter of 2.5mm, must not completely enter the part.
4	protected against solid bodies of 1.0mm or bigger	The probe head, a ball with a diameter of 1.0mm, must not completely enter the part.
5	protected against dust	The penetration of dust cannot be completely avoided. The dust must not enter to an extent that the normal function of the apparatus or security is affected.
6	dust-proof	no penetration of dust at all

2: Protection class as to deleterious effects of water

Code figure	Brief description	Definition
0	unprotected	–
1	protected against dripping water	Normally falling drops of water must not have any deleterious effect.
2	protected against dripping water	Normally falling drops of water must not have any deleterious effect when the housing is inclined up to 15° to both sides of the vertical.
3	protected against spray	Water that is sprayed from an angle of up to 60° to both sides of the vertical must not have any deleterious effect.
4	protected against splash water	Water that is shot from any direction against the housing must not have any deleterious effect.
5	protected against a water jet	Water that is shot against the housing in a water jet from any direction must not have any deleterious effect.
6	protected against a strong water jet	Water that is shot against the housing in a strong water jet from any direction must not have any deleterious effect.
7	protected against the effect of the temporary immersion in water	Water must not enter to an extent that has a deleterious effect when the housing is temporarily immerged in water under standardized conditions of pressure and time.
8	protected against the effect of the continuous immersion in water	Water must not enter to an extent that has a deleterious effect when the housing is continuously immerged in water. The conditions must be agreed upon between the manufacturer and the user. The conditions must be tighter than mentioned under point 7.
9	protected against water during high pressure cleaning and steam jet cleaning	Water being directed to the housing from any direction with high pressure must not have any deleterious effect.

Contact information: G.W.P. Aktiengesellschaft, Malteserstr. 170/172, 12277 Berlin, Germany,
fon: +49 30 757744–0, **fax:** +49 30 757744–10, **email:** sales@gwp-ag.de, **web:** www.gwp-ag.com