



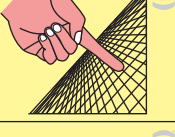

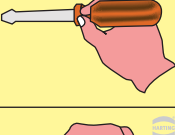
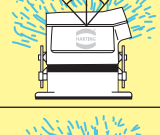
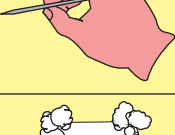

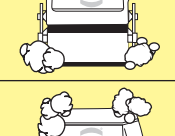
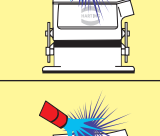
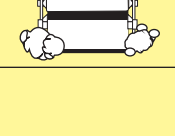
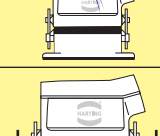
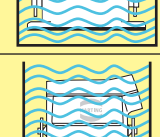
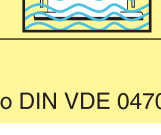


The connector's housing, sealing and locking mechanism protect the connection from external influences such as mechanical shocks, foreign bodies, humidity, dust, water or other fluids such as cleansing and cooling agents, oils, etc. The degree of protection the housing offers is explained in the IEC 60 529, DIN EN 60 529, standards that categorize enclosures according to foreign body and water protection.

The following table shows the different degrees of protection.

Code letters (International Protection)			First Index Figure (Foreign bodies protection)			Second Index Figure (Water protection)		
IP			6			5		
Index figure	Degree of protection			Index figure	Degree of protection			
0	No protection		No protection against accidental contact, no protection against solid foreign bodies	0	No protection against water		No protection against water	
1	Protection against large foreign bodies		Protection against contact with any large area by hand and against large solid foreign bodies with $\varnothing > 50$ mm	1	Drip-proof		Protection against vertical water drips	
2	Protection against medium sized foreign bodies		Protection against contact with the fingers, protection against solid foreign bodies with $\varnothing > 12$ mm	2	Drip-proof		Protection against water drips (up to a 15° angle)	
3	Protection against small solid foreign bodies		Protection against tools, wires or similar objects with $\varnothing > 2.5$ mm, protection against small foreign solid bodies with $\varnothing > 2.5$ mm	3	Spray-proof		Protection against diagonal water drips (up to a 60° angle)	
4	Protection against grain-shaped foreign bodies		As 3 however $\varnothing > 1$ mm	4	Splash-proof		Protection against splashed water from all directions	
5	Protection against injurious deposits of dust		Full protection against contact. Protection against interior injurious dust deposits	5	Hose-proof		Protection against water (out of a nozzle) from all directions	
6	Protection against ingress of dust		Total protection against contact. Protection against penetration of dust	6	Protected against flooding		Protected against temporary flooding	
				7	Protected against immersion		Protected against temporary immersion	
				8	Water-tight		Protected against water pressure	