

Testing criteria for system of protection IP65 according to EN 60529: 2000

Test conditions for 1st Characteristic number (6)

Degree of protection against solid foreign matter IP 6X (dust-tight), vacuum test with dust/air mixture

Vacuum:	≤ 2kPa (20mbar)
Testing time:	8 h
Testing dust:	Talcum powder
Grain size distribution:	≤ 50µm - ≥75µm

Test conditions for 2nd Characteristic number (5)

System of protection test against penetration of water IP X5 (protected against water jet)

Testing device:	jet nozzle Ø 6,3mm
Distance:	2,5 – 3,0m (influence from all possible directions)
Water-volume-flow:	12,5 L/min ± 5%
Testing time:	3 min.

Definition of the first characteristic number (6)

Characteristic number	Short description	Definition
6	Dust tight	No dust penetration

Definition of the second characteristic number (5)

Characteristic number	Short description	Definition
5	Protected against water jet	A water jet being squirted from any direction against the enclosure may cause no damage.