

ROLEC Gehäuse-Systeme GmbH

Information concerning system of protection IP65

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 $\leq 2\text{kPa}$ (20mbar)
- Testing time 8 h
- Testing dust Talcum powder
- Grain size distribution $\leq 50\mu\text{m}$ - $\geq 75\mu\text{m}$

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 $\varnothing 6,3\text{mm}$
- Distance 2,5 – 3,0m (influence from all possible directions)
- Water-volume-flow 12,5 L/min $\pm 5\%$
- Testing time min. 3min

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.

