

ROLEC Gehäuse-Systeme GmbH

Information concerning system of protection IP66

Testing criteria for system of protection IP66 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 (6)

System of protection test against penetration of water IP X6 (protected against a strong water jet)

- Testing device jet nozzle $\varnothing 12,5\text{mm}$
- Distance 2,5 – 3,0m (influence from all possible directions)
- Water-volume-flow 100 l/min $\pm 5\%$
- Testing time min. 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 (6)

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

