

ROLEC Gehäuse-Systeme GmbH

Information concerning system of protection IP67

Testing criteria for system of protection IP67 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 (7)

System of protection test against penetration of water IP X7 (protection against the effects of temporary submersion)

- Testing device immersion pool
- Distance depth of water above the enclosure – 1 m
- Testing time 30 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 (7)

Characteristic number	Short description	Definition
7	Protected against the effects of temporary submersion	When the enclosure is submerged temporarily under standard pressure and time conditions, no amounts of water capable of causing damages may penetrate into the enclosure.

