EMC – ElectroMagnetic Compatibility Results

The following product:

Kind of product:	EC centrifugal fan
Type designation:	**R3G310-AJ40-71**
Motor:	M3G084
Electronics module:	60487/9 (with passive PFC inside)
Operating voltage:	230 VAC

***The above mentioned product complies with European harmonized EMC regulations*:**

- **EN 61000-6-3 (2007)**
  Electromagnetic compatibility (EMC) –
  Part 6-3: Generic standards –
  Emission standard for residential, commerical and light-industrial environments

- **EN 61000-6-2 (2005)**
  Electromagnetic compatibility (EMC) –
  Part 6-2: Generic standards –
  Immunity for industrial environments

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The EMC-valuation is based on following measurements:
(Project 41612)

EMC-standard	EMC-Test	EUT (equipment under test)	Electronics module	Test report date	Test report in EDM-system	Test positive?
Emission EN 61000-6-3	**Conducted emission Power supply lines** EN 55022 (Class B)	R3G310-AI39-71	60415/1 (with modifications)	28.02.05	alg000111169	☑
	Conducted emission Signal lines EN 55022 (Class B)	R3G310-AI39-71	60415/1 (with modifications)	11.03.05	ext000112436 ext000112437	☑
	Radiated emission EN 55022 (Class B)	R3G310-AI39-71	60415/1 (with modifications)	11.03.05	ext000112435 ext000112437	☑
	Harmonics EN 61000-3-2	R3G400	60391/3 (with modifications)	12.11.04	ext000098585	☐
	Flicker EN 61000-3-3	R3G400	60391/3 (with modifications)	12.11.04	ext000098585	☑
Immunity EN 61000-6-2	**ESD** EN 61000-4-2	R3G310-AI39-71	60415/1 (with modifications)	11.03.05	alg000112319	☑
	Radiated HF-fields EN 61000-4-3	R3G310-AI39-71	60415/1 (with modifications)	11.03.05	ext000112439 ext000112437	☑
	Burst EN 61000-4-4	R3G310-AI39-71	60415/1 (with modifications)	01.03.05	alg000111321	☑
	Surge EN 61000-4-5	R3G310-AI39-71	60415/1 (with modifications)	01.03.05	alg000111333	☑
	Conducted HF-fields EN 61000-4-6	R3G310-AI39-71	60415/1 (with modifications)	01.03.05	alg000111310	☑
	Voltage interruptions EN 61000-4-11	R3G400	60391/3 (with modifications)	05.11.04	alg000098053	☑

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