

Type:	AGC 2xx – Generator Controller Product range: AGC 212, 213, 222, 232, 233, 242, 243, 244, 245, 246, 252
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Technical specifications	
Operating temperature:	-25...70°C -40...70°C with option L2 Heatfoil
* Measuring Voltage:	50...690V AC (+20%) Consumption max. 0,2VA / phase.
* Measuring. Current:	-1 or -15A AC Consumption max. 0,3VA / phase.
* Measuring frequency:	30...70Hz
* Auxiliary supply	6-36V DC max. 25W consumption. Max 45W consumption with option L2 Heatfoil.
* Binary input:	Optocoupler, bi-directional. Impedance: 4.7kΩ ON: 8...36V DC OFF: <2V DC
* Multi-functional inputs:	0...20mA, ±1%, Impedance: 50Ω PT100/1000: -40...250°C, ±1% to IEC/EN 60751 VDO: 0...2500Ω, ±2% Binary input: Dry contact input – 3VDC internal supply, with cable supervision.
* Magnetic pick-up input:	Voltage: 2-70 V _{Peak} Frequency: 10-10000Hz Resistance: 250-3000Ω
* Relay outputs:	250V AC / 30V DC, 8A 250V AC / 30V DC, 16A (Unit status output: 8A)
* Galvanic separation: AGC 232, 233 AGC 242, 243 AGC 244, 245, 246 AGC 212, 213, 222	Between AC voltage and other I/O's: 3250 V AC, 50Hz, 1 minute. Between AC current and other I/O's: 2200 V AC, 50Hz, 1 minute. Between relay outputs and other I/O's: 2200V AC, 50Hz, 1 minute. Between aux supply and other I/O's: 550V AC, 50Hz, 1 minute. Between binary input groups and other I/O's: 550V AC, 50Hz, 1 minute. Between analogue input groups and other I/O's: 550V AC, 50Hz, 1 minute. The same as above, but with no galvanic separation on analogue input groups.
Current overload:	4 x I _n continuously 20 x I _n , 10 sec. (max 75A) 80 x I _n , 1 sec. (max 300A)



-power in control

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Type Certificate

4124030063E / ref. SKG

Type test specifications	Tested according to:	
Temperature:	-25...70°C (operating) -40...70°C(storage)	IEC 60068-2-1 IEC 60068-2-2
Accuracy:	Class 1.0	IEC 60688
Climate:	97% RH	IEC 60068-2-30, test Db.
Vibration:	3...13.2Hz: 2mm _{pp} 13.2...100Hz: 0.7g 10...58.1Hz: 0.15mm _{pp} 58.1...150Hz: 1g 10...150Hz: 2g 3...8.15Hz: 15mm _{pp} 8.15...35Hz: 2g	IEC 60068-2-6 & IACS UR E10 IEC 60255-21-1 Response (Class2) IEC 60255-21-1 Endurance (Class2) IEC 60255-21-3 Seismic (Class2)
Shock:	Base mounted 10g, 11msec. half sine 30g, 11msec. half sine 50g, 11msec. half sine Tested with 3 impacts in each direction in all 3 axes. Total 18 impacts per test.	IEC 60255-21-2 Response (Class 2) IEC 60255-21-2 Endurance (Class 2) IEC 60068-2-27, test Ea.
Bump	20g, 16msec. half sine Tested with 1000 impacts in each direction in all 3 axes.	IEC 60255-21-2 (Class 2)
Safety:	Installation Cat.III 600V Pollution degree 2	EN 61010-1 tested at 50Hz, 1 min Each galvanic group tested to other galvanic groups and to protection earth.
EMC:		EN 61000-6-1/2/3/4 IEC 60255-26 IEC 60533 power distr. zone IACS UR E10 power distr. zone
Materials:	All plastic parts are self-extinguishing to UL94 (V0)	
Protection:	Terminals: IP20 Front: IP52 Front: IP66 with gasket – option L.	IEC/EN 60529

*) Tested on all units according to specifications. Remaining specifications are tested regularly by test sampling

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