



-power in control

DEIF A/S

Type Certificate

4124030047J/ref.jfl

Type:	AGCPM – Automatic Gen-set Controller ASCPM – Automatic Sustainable Controller ASC-4 – Automatic Sustainable Controller AFCPM – Automatic Fuel Controller AGC-3 – Automatic Gen-set Controller AGC-4 – Automatic Gen-set Controller AGC-4 MKII – Automatic Gen-set Controller Multi-line 2
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<i>Technical specifications</i>	
* Operating temperature:	-25...70°C
* Measuring Voltage:	100/110V AC to 690V AC +20% Consumption max. 0,2VA / phase
* Measuring. Current:	-1 or -5A AC Consumption max. 0,3VA / phase
* Measuring frequency:	30....70Hz
* Auxiliary supply AGC AGC-4	Terminal 1-2 12/24V DC -25/+30% max. 11W consumption Terminal 1-2 12/24V DC -25/+50% max.11W consumption Terminal 98-99 12/24V DC -25/+50% max. 5W consumption
* Binary input: AGC AGC-4	Optocoupler, bi-directional Impedance: 4.7kΩ Input voltage 8...32V DC Input voltage 8...36V DC
* Relay outputs:	250V AC / 30V DC, 5A (Unit status output: 1A)
* Open collector outputs: AGC AGC-4	Supply 12...32V DC, max. 10mA Supply 8...36V DC, max. 10mA
* Analogue inputs:	AGC 0...20mA, ±1%, Impedance: 50Ω -10....0....+10V DC, Impedance min. 90 kΩ Not galvanically separated AGC-4 -10...+10V DC: not galvanically separated. Impedance: 100 kΩ (G3) 0(4)...20 mA: impedance 50 Ω. Not galvanically separated (M15.X)
RPM	RPM (MPU): 2...70V AC, 10...10000 Hz, max. 50 kΩ
Multi-inputs Engine inter- face board slot#7	0(4)...20 mA: 0-20 mA, +/-1%. Not galvanically separated Binary: max. resistance for ON detection: 100 Ω. Not galvanically separated Pt100/1000: -40...250°C, +/-1%. Not galvanically separated. To IEC/EN60751 VDO: 0-1700 Ω, +/-2%. Not galvanically separated V DC: 0...40V DC, +/-1%. Not galvanically separated
Multi-inputs (M16.X)	0(4)...20 mA: 0-20 mA, +/-2%. Not galvanically separated Pt100: -40...250°C, +/-2%. Not galvanically separated. To IEC/EN60751 V DC: 0...5V DC, +/-2%. Not galvanically separated



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* Galvanic separation:	Between AC voltage and other I/O's: 3250V, 50Hz, 1 minute Between AC current and other I/O's: 2200V, 50Hz, 1 minute Between analogue outputs and other I/O's: 550V, 50Hz 1 minute Between binary input groups and other I/O's: 550V, 50Hz 1 minute
Current overload:	4 x I _n continuously 20 x I _n , 10 sec. (max 75A) 80 x I _n , 1 sec. (max 300A)
Type test specifications	
Tested according to:	
Temperature:	-25...70°C (operating) -40...70°C(storage)
Accuracy:	Class 1.0 Class 0.5 (option dependent in AGC-4)
Climate:	97% RH
Vibration:	3...13.2Hz: 2mm _{pp} 13.2...100Hz: 0.7g 10...60Hz: 0.15mm _{pp} 60...150Hz: 1g 10...150Hz: 2g 3...8.15HZ: 15mm _{pp} 8.15...35HZ: 2g
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.
Bump	20g, 16msec. half sine Tested with 1000 impacts in each direction in all 3 axes. Total 6000 impacts per test.
Safety:	Installation Cat.III 600V Pollution degree 2
EMC:	EN 61010-1 tested at 50Hz, 1 min Each galvanic group tested to other Galvanic groups and to protection Eath.
Materials:	All plastic parts are self-extinguishing to UL94 (V0)
Protection:	Unit: IP20 Front: IP40 (IP54 with gasket – option L)

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

29th June 2022

DEIF A/S


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