



-power in control

DEIF A/S

Type Certificate

4124030078A / ref. JCL

Type:	DVC 310 – Digital Voltage Controller
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<i>Technical specifications</i>	
* Auxiliary supply	24V DC -25/+30% max. 3W consumption
* Accuracy on AC voltage regulation:	± 0,25 %
* Accuracy class:	AC voltage inputs: Class 0.5 Frequency: Class 0.2 AC current: Class 2.5 Field excitation current: Class 5 Pt100 inputs: Class 2 Analogue inputs: Class 1
* Relay outputs:	250V AC / 30V DC, 6A (On resistive load)
* Analogue inputs:	AL1 and AL2: Max. current 60mA Voltage: 0 to 24Vdc
C.T. Secondary:	1A to 5A, adjustable Current overload: 5 x I _n , 10 sec.
Protection response time:	(Delay set to min.): Short circuit <400 ms Loss of voltage reference <400 ms Over-voltage <400 ms Over-excitation <400 ms High temperature <400 ms Speed drop <400 ms Diode fault <400 ms Stator current unbalance <400 ms Stator current limitation <400 ms



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Type test specifications		Tested according to:
Temperature:	-40...55°C (operating) -55...85°C (storage)	IEC 60068-2-1 IEC 60068-2-2
Climate:	95% RH	IEC 60068-2-30, test Db
Vibration:	3...25Hz: 3,5mm _{pp} 25...100Hz: 4,4g	IEC 60068-2-6 & IACS UR E10
Shock:	50g, 11msec. half sine Tested with 3 impacts in each direction in all 3 axes. Total 18 impacts per test.	IEC 60068-2-27, test Ea
Safety:	Installation Cat.III 300V Pollution degree 2	EN 61010-1
EMC:		IEC 61000-6-2 IEC 61000-6-4 IACS UR E10 power distr. zone
Materials:	All plastic parts are self-extinguishing to UL94 (V1)	
Altitude	2.000m	
Protection:	Terminals: IP20	IEC/EN 60529

*) Routine tested on all units according to specifications.

Remaining specifications are tested regularly by test sampling.

15th September 2014

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Knud Jørgen Poulsen

R&D Product Approval Manager