



-power in control

# DEIF A/S

# Type Certificate

4124010040F / Ref. SOJ

Type:	TAS-331DG
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### Technical specifications

* Measuring current:	0,75/1,5/3,0/6,0A	Meas. Range 0...200%
* Overload, current:	4 x I <sub>n</sub> continuously 20 x I <sub>n</sub> for 10 s (max. 75A) 40 x I <sub>n</sub> for 1 s (max. 300A)	
Load:	Max 0.5VA per phase	
* Measuring voltage:	73/140/254/400V phase to neutral 127/240/440/690 phase to neutral 0,75/1,5/3,0/6,0A	Meas. Range: 12...120%Un Meas. Range: 12...120%Un Meas. Range 0...200%
Over load, voltages:	1.2 x U <sub>n</sub> continuously 2 x I <sub>n</sub> for 10 s	
Load:	>482kΩ per phase	
* Frequency range:	20...45...65...80Hz Note: For fundamental frequency (1. harmonic) outside 20Hz...80Hz the input is fixed to zero.	
* Accuracy, W / Var:	Class 0.5 (-10...15...30...55°C) IEC 60688	
* Supply voltage:	57.7-63.5-100-110-127-200-220V AC ± 20% 230-380-400-415-440-450-480-660-690V AC ± 20% 24-48-110-220V DC +30/-25%	



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Type test specifications		Tested according to:
Vibration:	3...13.2Hz: 3mm <sub>pp</sub> 13.2...100Hz: 1.0 g	Class A, DNV Test 1, GL and LR
Shock:	15g, 11msec. half sine (6 impacts in 3 directions)	IEC 60068-2-27, test Ea
Climate:	97% RH	IEC 60068-2-30, test Db
Protection:	Case: IP40 Terminals: IP20	IEC/EN 60529
Temperature:	-10...55 °C (nominal) -25...70 °C (operating) -40...70 °C (storage)	IEC 60068-2-1 IEC 60068-2-2 DNV, GL and LR
Temperature drift:	Typ. 0.15% per 10 °C Max. 0.2% per 10C °C	IEC/EN 60688
Galvanic separation:	Poll. degree 2, Cat.III 600V	EN 61010-1
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)	

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

29<sup>th</sup> November 2011

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Type Approval Manager