

**DEIF A/S****Type certificate**

4124010041C

Type: TAS-311DG Selectable AC-transducer (Voltage, current, frequency or angle)

Technical specifications		
Measuring current:	$I_n$	0.75/1.5/3.0/6.0A
Overload, currents:		4 x $I_n$ continuously 20 x $I_n$ for 10 s (max. 75A) 40 x $I_n$ for 1 s (max. 300A)
Load:		Max. 0.5VA per phase
Measuring Voltage:	$U_n$	73/140/254/400V phase to neutral 127/240/440/690 phase to phase
Overload, voltages:		1.2 x $U_n$ continuously 2 x $U_n$ for 10 s
Load:		>480k $\Omega$ per phase
Frequency range:		20...45...65...80Hz Note: For fundamental frequency (1. harmonic) outside 20Hz...80Hz the input is fixed to zero
Accuracy	Voltage/current:	Class 0.5 (-10...15...30...55°C) IEC 688
	Frequency:	Class 0.2 of f max. (-10...15...30...55°C) IEC 688
	Phase angle:	$\pm 1.8^\circ$ electrical (-10...15...30...55°C) at $I_n$ and $U_n$
Supply voltage:	AC:	57.7-63.5-100-110-127-200-220-230-240-380-400-415-440-450-480-660-690 VAC $\pm 20\%$ .
	DC:	24-48-110-220 VDC +30/-25%

Type test specifications	Tested according to:
Vibration:	3...13.2Hz: 3 mm 13.2-100Hz: 1.0 g Class A, DNV Test 1, GL and LR
Shock:	6 attempts with 15 g (in 3 directions) IEC 68-2-27, test: Ea
Climate:	Class HSE DIN 40040
Protection:	Case: IP40 Terminals: IP20 IEC/EN 60529
Temperature:	-10...55°C (nominal) -25...70°C (operating) -40...70°C (storage) DNV, GL and LR
Temperature drift:	Type. 0.15% per 10°C Max. 0.2% per 10°C IEC/EN 60688
Galvanic separation:	Between inputs, outputs and aux. Supply; 3750V-50Hz-1min. EN 61010-1
Materials:	All plastic parts are self-extinguishing to UL94 (V1)
EMC:	Immunity SS4361503 – PL 4, IEC 255-4 – cl. 3 EN 61000-6-1 & EN 61000-6-2*
	Emission EN 61000-6-3 & EN 61000-6-4

\*: Max. output cable length is 30 m.

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