

Type: **Uni-line Synchroniser**
FAS-115DG

Technical specifications

* Breaker aclosing ccuracy:	± 3° el.
* Measuring voltage (U _n)	57.7-63.5-100-110-127-200-220-230-240--380-400-415-440-450 660-690V AC ±20%, Load: 2kΩ/V
Overvoltage:	2 x U _n for 10 s
* Acceptable voltage diff. (ΔU _{max}):	±2...±12% of U _{BB} , scaleable
Frequency range:	40...45...65...70Hz
Breaker closing pulse length:	400 ms ±10 ms
Breaker closing time comp. (T _{BC}):	20...200 ms, scaleable
* Set point f _{set} :	0.1...0.5Hz, scaleable
* Proportional band (X _p):	±0.25...±2.5Hz, scaleable
* Supply voltage (U _n):	57.7-63.5-100-110-127-200-220-230-240-380-400-415-440-450 660-690V AC ±20%, (max. 3,5VA) 24-48-110-220V DC -25/+30% (max. 2W)

Type Test specifications

Tested according to:

Insulation	500V DC, >1000MΩ	DNV, GL and LR
Vibration:	2...13.2Hz: 2 mm _{pp} 13.2...100Hz: 1.0 g	DNV, GL and LR Test 1.
Shock:	6 attempts with 50 g (in 3 directions)	IEC 60068-2-27
Climate:	97% RH	IEC 60098-2-30, test Db
Protection:	Case: IP40 Terminals: IP20	IEC/EN 60529
Temperature:	-10...55°C (nominal) -25...70°C (operating) -40...70°C (storage)	DNV, GL and LR
* Galvanic separation	3250V-50Hz - 1m between inputs and outputs	IEC/EN 61010-1
EMC:	Immunity / Emission	EN 61000-6-1/2/3/4 IEC 60255-26 IEC 60533 power distr. Zone IACS UR E10 power distr. zone

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



Martin S. Mallan
Type Test Manager

Ref.: MSM

Date: 16th February 2011