

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

4124030026C

Type:	LSU-112D, LSU-113D, LSU-114D <i>uni-line</i> load sharing units for 35 mm DIN rail or base mounting
-------	--

Technical specifications

* Measuring current (I_n):	0.3-0.4-0.5-0.6-0.8-1.0-1.3-1.5-2.0-2.5-3.0-4.0-5.0A
* adjusted range:	75...100% of I_n
* overload:	4 x I_n , continuously, 20 x I_n for 10 s (max. 75A), 80 x I_n for 1 s (max. 300A)
* load:	Max. 0.5VA per phase
* Measuring voltage (U_n)	57.7-63.5-100-110-127-200-220-230-240-380-400-415-440-450-660-690V
Operational range	60...120% of U_n
Overload	1.2 x U_n , continuously, 2 x U_n for 10 s
* Load	2k Ω /V
Frequency range:	40...45...65...70Hz.
Contact outputs:	
* reverse power / low power:	2 contacts (3 pole change-overs).
* speed control:	2 make contacts
contact ratings:	250V-8A-2000VA (AC). 24V8A-200W (DC). (200 x 10 ³ change-overs at resistive load) Max. 250V (AC). Max. 150V (DC)
contact voltage:	
Optocoupler output :	(Sta) System status off = failure.
Temperature drift:	Set points: max. 0.2% of full scale per 10°C
Supply voltage (U_n):	
*	57.7-63.5-100-110-127-200-220-230-240-380-400-415-440-450-660-690V AC \pm 20% (max. 3.5VA) 24-48-110-220V DC -25/+30% (max. 2W)
Analog outputs:	
*	PS-line, FS-line: -5...0...5V DC. Reference voltage: 5.0V \pm 2%. Load: max. 5mA (R 1k Ω).
Signal inputs:	
*	Ext. P: analog 0...4...20mA (-25...0...100% of P_n). Unl.: potential free relay contact.

Type test specifications**Tested according to:**

Insulation:	500V DC, >100M Ω	DNV, GL and LR
Vibration:	2...13.2Hz: 3 mm 13.2...100Hz: 1.0 g	IEC 60068-2-6 DNV, GL and LR test 1
Shock:	50 g, 11msec, half sine (in all 3 axes)	IEC 68-2-27, 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
Test voltage:	3250V/2200V-50Hz-1 min between inputs and outputs	IEC/EN 61010-1 CAT III 600V Poll. degree 2
EMC:	Immunity	EN 61000-6-1/2 IEC 60255-26
	Emission	EN 61000-6-3/4 IEC 60255-26

*) Tested on all units according to specifications. All AC measurements are tested at 50Hz and 60Hz.
Remaining specifications are tested regularly by test sampling.



DEIF A/S
Frisenborgvej 33
DK-7800 Skive
Denmark
+45 9614 9614

DEIF A/S
Frisenborgvej 33
DK-7800 Skive
Denmark

Date 2015



DEIF A/S
Frisenborgvej 33
DK-7800 Skive
Denmark
(+45) 9614 9614

Martin S. Mallan
Martin S. Mallan
Type Test Manager