

Type:	LSU-122D <i>uni-line</i> reactive power load sharing units for 35 mm DIN rail or base mounting
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### 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 $\Omega$ /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 <sup>3</sup> 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:	
*	QS-line: -5...0...5V DC (-100...0...100% of $Q_n$ ).
*	Reference voltage: 5.0V $\pm$ 2%. Load: max. 5mA ( $R \geq 1k\Omega$ ).
Signal inputs:	
*	Ext. Q: analog 0...4...20mA (-25...0...100% of $Q_n$ ).
*	US-line: analog 0...5...10V (80...100...120% of $V_n$ ).
	Unl.: potential free relay contact.

### Type test specifications

Tested according to:

Insulation:	500V DC, >100M $\Omega$	DNV, GL and LR
Vibration:	2...13.2Hz: 3 mm 13.2...100Hz: 1.0 g	DNV, GL and LR test 1
Shock:	6 attempts with 50 g (in all 3 axes)	IEC 68-2-27, test: Ea
Climate:	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
Test voltage:	2200/3250V-50Hz-1 min between inputs and outputs	IEC/EN 61010-1
EMC:	Immunity	SS4361503 – PL 4, IEC 255-22-1...4 and EN 50082-1/2
	Emission	EN 50081-1/2

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

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