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➤ TABLE OF STANDARD PROPERTIES OF USE AND MEASUREMENT

The properties defined in the table below, are set up according to the technical conditions of use and measurement. These properties are warranted within their variation range and in compliance with the standard technical conditions of use.

Properties SP75A-x	Standard technical conditions	Unit	Nominal values	Min. values	Max. values
Notes			x : number of channel		
Function			Switching power stage		
Max. number of channels			2		
Cooling			Natural convection		
Option			RS422 communication		
Negative supply voltage	Standard environment	VDC	-20	-20.0	-24.0
Positive supply voltage	Standard environment	VDC	150	150.0	156.0
Input voltage	Standard environment	V	TTL signal / CMOS		
Min. output voltage	Standard environment	V	-20	-20.0	-24.0
Max. output voltage	Standard environment	V	150	150	156
Max. output current		A	0.36	0.36	0.40
Max. output load capacitance		µF	400	360	440
Loaded Output bandwidth	Standard load*	Hz	968	871	1065
Input impedance		kOhms	10	9.5	10.5
Mass		g	500	-	-
Dimensions		mm	10F wide, 3H high		

*Bandwidth settled according to your specifications; by default 1 Hz.

Properties LC75B	Standard technical conditions	Unit	Nominal values	Min. values	Max. values
Notes			-		
Function			Bipolar AC/DC linear converter		
Cooling			Forced air		
Protection			Thermal Overcurrent Overvoltage		
Main voltage	Standard main supply	VAC	230	207	253
Main frequency	Standard main supply	Hz	50	45	65
Negative output voltage	Standard environment	VDC	-36	-30,6	-39,6
Positive output voltage	Standard environment	VDC	165	151,8	179,9
Current limitation	Standard environment	A	0,60	0,57	0,63
Mass		g	680,00	-	-
Dimensions		mm	12F wide, 3H high	-	-

➤ PROPERTIES STANDARD TECHNICAL CONDITIONS OF USE AND MEASUREMENT

- Quasistatic excitation** : AC voltage between -20 and 150 V at 1 Hz
Environment : Ambient temperature (15-25°C) and dry air (Humidity < 50 % rH)
Standard main supply : Main according to directive HD472; could be adapted to 110 VAC on request
Noise measurement conditions : Excitation 0.5 Vrms ; reading bandwidth 1 Hz to 1 kHz
Standard load : Actuator APA from series S or SM : 1.55 µF (load test may be different)

Any technical conditions of use, different from those defined above, can lead to temporary or definitive alterations of properties. Thank you to contact CEDRAT TECHNOLOGIES before using actuators under non standard technical conditions.

➤ FACTORY TESTS CARRIED OUT

- Test 1: Load and discharge time
 Test 2: Linearity output voltage vs. input voltage

➤ EXTRA FACTORY TESTS

- Test 3: Gain and linearity in closed loop
 Test 4: Step response in closed loop (sensor output voltage versus command voltage)
 Test 5: Bode diagram

➤ AVAILABLE OPTIONS

- [SC] Servo controller [PP] Push-pull