128, av. du Maréchal-de-Lattre-de-Tassigny - 87045 LIMOGES Cedex
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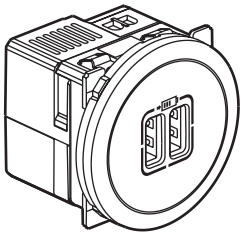
Céliane™
USB power supplies

Cat. no(s): 0 674 62



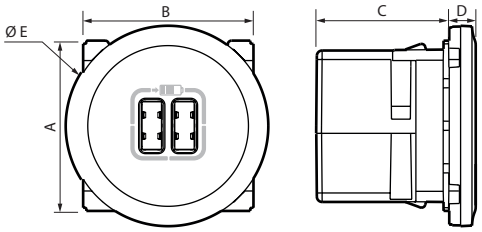
1. USE

For recharging portable devices such as phones, smartphones, tablets PC, MP3 or MP4 players, loudspeakers, watches, game consoles.

2. RANGE

Designation	Cat. No.
Double USB sockets - 5 V - 1500 mA	0 674 62
White finish plate	0 682 56
Titan finish plate	0 685 56

3. OVERALL DIMENSIONS (mm)



A	B	C	D	Ø E
45	45	32	10	53

4. TECHNICAL CHARACTERISTICS

■ 4.1 Electrical characteristics

All values listed below are measured at an ambient temperature of + 25° and after 15 minutes of operation.

Nominal input voltage	100 - 240 VAC + 10/- 10%
Nominal input frequency	50-60 Hz
Nominal input current	0.2 Arms@max load
Stand-by power consumption at U_{in}	230 VAC: 0.1 W
Nominal output voltage	U_{out} : 5 VDC + 5/- 5%
Nominal output current	5 V - 1500 mA
Efficiency can meet energy star level "V" (≥ 66% measured at USB socket output side)	
Safety-standard	EN60950-1
Protection class	II - Low voltage
Separation (prim.-sec.)	Galvanic by transformer
Screw terminal connection*	2 x 0.5 sqmm 2 x 1.5 sqmm 1 x 2.5 sqmm

*__Recommended use:__ circuit terminal outlet.

■ Average charging time for devices equipped with litium ion polymer batteries:

- 80 % charged < 1 h 15
- 100 % charged < 2 h 05

No specific constraint: no need to wait for the battery to be flat before charging it, or to have it fully charged before use.

4. TECHNICAL CHARACTERISTICS *(continued)*

■ 4.1 Electrical characteristics *(continued)*

■ Average charge time for a smartphone with 1500 mA charger plug

Manufacturer brand	Smartphone model	Charge time to 80%	Charge time to 100%	Mobile device battery capacity (mAh)	Lead	Standby consumption	Mosaic universal charger
RIM	Blackberry Torch 9810	**1 h 01**	**1 h 23**	1270	USB - µUSB		
Apple	Iphone 3GS	**1 h 04**	**2 h 07**	1150	USB - Apple		
Apple	Iphone 4S	**1 h 14**	**1 h 56**	1430	USB - Apple		
Apple	Iphone 5	**1 h 14**	**2 h 20**	1440	USB - Apple		
Motorola	Defy - MB525 - Jordan	**1 h 13**	**1 h 47**	1500	USB - µUSB		
Nokia	Lumia 800 - Sea Ray	**1 h 39**	**2 h 33**	1450	USB - µUSB	< 0.1 W	1500 mA
Samsung	Galaxy S III - 19300	**1 h 47**	**2 h 43**	2100	USB - µUSB		
Samsung	Galaxy S4	**2 h 00**	**2 h 59**	2600	USB - µUSB		
Sony	XPERIA S - LT26i - Arc HD - Nozomi	**1 h 20**	**2 h 05**	1750	USB - µUSB		
RIM	Blackberry Curve 9790	**1 h 08**	**1 h 53**	1230	USB - µUSB		
Acer	Liquid E	**1 h 10**	**2 h 15**	1350	USB - Mini USB		
***Smartphone**	**Average charge time**	**1 h 20**	**2 h 20**				**1500 mA**

* High-selling or soon to be high-selling models at the time of the study on 06/09/2012.

■ Average charge time for a smartphone with 1500 mA charger plug

Manufacturer brand	Smartphone model	Charge time to 80%	Charge time to 100%	Mobile device battery capacity (mAh)	Lead	Standby consumption	Mosaic universal charger
RIM	Blackberry PlayBook	**3 h 22**	**4 h 29**	5300	USB - µUSB		
Apple	Ipad 2 Wifi	**3 h 33**	**4 h 55**	6930	USB - Apple		
Samsung	Galaxy note - GT-N7000 - 19220	**1 h 52**	**3 h 20**	4000	USB - Samsung	< 0.1 W	1500 mA
Motorola	Xoom 2 - Media Edition	**2 h 29**	**3 h 17**	3960	USB - µUSB		
Dell	Streak 7	**2 h 54**	**3 h 58**	2780	USB - Dell		
***Tablet**	**Average charge time**	**2 h 50**	**4 h 40**			**< 0.1 W**	**1500 mA**

* Charge time comparable to or less than the original mobile charger.

■ 4.2 Mechanical characteristics

Impact tests: IK 04
Penetration by solid bodies/liquid: IP 40

■ 4.3 Material characteristics

Base: Polycarbonate
Cover: ABS/PC
Self-extinguishing: + 850° C / 30 s for insulating parts holding live parts in place.
+ 650° C / 30 s for other parts made of insulating materials.

■ 4.4 Climatic characteristics

Storage temperature: - 20° C to + 70° C / 10 to 95 relative humidity
Operating temperature: 0° C to + 45° C

5. CLEANING

Surface cleaning with a cloth.
Do not use: acetone, tar remover, trichlorethylene.

Caution: A preliminary test should be carried out if other specific cleaning products are to be used.

6. STANDARDS AND APPROVALS

IEC 60950-1: low voltage directive.
IEC 62684 / EN 50558 conform to the interoperability specifications of common external power supply (EPS) for use with mobile telephones.
Conform to eco design directive 2009/125/EC.