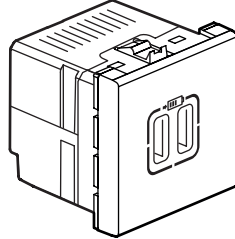


**Mosaic™**  
**USB power supplies**


**Cat. no(s): 0 775 94 - 0 793 94**



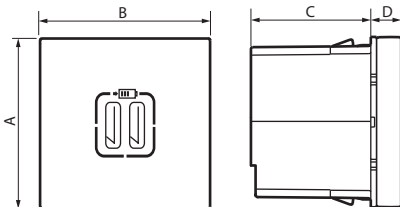
**1. USE**

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

**2. RANGE**

	Designation	Cat. No.
	Double USB socket - 5 V - 1500 mA White square	0 775 94
	Double USB socket - 5 V - 1500 mA Aluminium square	0 793 94

**3. OVERALL DIMENSIONS (mm)**



A	B	C	D
45	45	32	10

**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 <sub>in</sub>	230 VAC: ≤ 0.1 W
Nominal output voltage	U <sub>out</sub> : 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 lithium 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	< 0.1 W	1500 mA
Apple	Iphone 3GS	1 h 04	2 h 07	1150	USB - Apple		
Apple	Iphone 4S	1 h 14	1 h 56	1430	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		
Samsung	Galaxy S III - 19300	1 h 47	2 h 43	2100	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		
<b>*Smartphone</b>	<b>Average charge time</b>	<b>1 h 10</b>	<b>2 h 05</b>				<b>1500 mA</b>

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

Manufacturer brand	Tablet 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	< 0.1 W	1500 mA
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		
Motorola	Xoom 2 - Média Edition	2 h 29	3 h 17	3960	USB - μUSB		
Dell	Streak 7	2 h 54	3 h 58	2780	USB - Dell		
<b>*Tablet</b>	<b>Average charge time</b>	<b>2 h 50</b>	<b>4 h 40</b>			<b>&lt; 0.1 W</b>	<b>1500 mA</b>

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

\* 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.