



Änderungen		Datum	Name	Bezeichnung	Blatt
Datum	Name	gez.:	aw	WTS-E 2 A QC 3 C PD-1 with LED <b>wentronic</b> SOLUTIONS	1/2
04.07.2021	sn	gepr.:	jbb		
10.09.2021	sn	Norm:		Zeichnungs-Nr.:	von
Änderungen vorbehalten / Subject to change				53931	

## USB-Charger Type A + Type C with LED

- LED is always on while charging any USB-Device
- Type C + PD output: 5 V  $\equiv$ , 3.0 A; 9 V  $\equiv$ , 2.0 A; 12 V  $\equiv$ , 1.5 A; max. power 18 W
- USB PD, BC 1.2, Apple protocol, Samsung protocol, QC 2.0/QC 3.0/QC 4.0 Quick Charge protocol, Hua Wei protocol FCP, Samsung protocol AFC
- The PD/QC 3.0 port is compatible with most devices including the MacBook Pro, iPhone models, Samsung Note and Galaxy S models
- USB Type C connector (USB-C):
  - Smaller connector shape that is reversable, which makes it easier to plug in
  - USB-C cables can carry significantly more power
  - The Type C connector is rated for about 10.000 cycles of insertion and removal, while the Type A connector is rated for only about 1.500 cycles
- Overcharge protection:
  - 6.3 A built-in fuse with embedded wire for overload protection

### Technical Data

Input rated voltage: 12-24 V  $\equiv$

Heat protection

Output short-circuit protection

Input overvoltage protection

Output overcurrent protection

Stand-by mode current:  $\leq 10$  mA

Power output: 36 W max.  
sn

### Quick charging mode

USB-C port: PD 3.0, QC 3.0 QC 4.0, AFC, FCP, BC 1.2, DCP, SCP, PE 2.0, PE 1.1, SFCP

USB-A port: QC 3.0, QC 2.0, FCP, DCP, BC 1.2, AFC, SCP, PE 2.0, PE 1.1 SFCP

Operating temperature:  $-20^{\circ}\text{C} - +80^{\circ}\text{C}$

Storage temperature:  $-40^{\circ}\text{C} - +90^{\circ}\text{C}$

### Product Compliance

- CE
- EN 55032:2015, EN 55035:2017, EN 50498:2011
- RoHS, REACH, E-mark 57 certification

### Available variants

- 53931 with Tyco connector 180908; cable length 200 mm
- with open cable ends; cable length 150 mm



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