



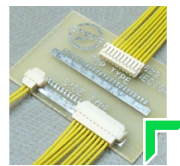
**POWER
DELIVERY
SYSTEMS**

WHAT'S THE POWER DELIVERY SYSTEM ?

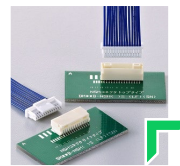
The **Power Delivery System**, is a technology that allows to charge a device at maximum speed and safely. We present here a wide range for maximum applications. The connectors presented here, will allow the delivery of power and its restitution.

We can find JST in applications such as:

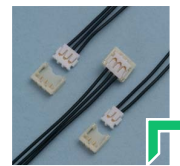
- **Energy mobility**
 - Hybrid & Electrical vehicles
 - eBikes
 - Power Chargers
- **Green Technologies**
 - Wind Power production
 - Solar Power production
 - Lighting & displays : low consumption
 - Radio emitting : low consumption (BLE : Bluetooth 5)
- **Smart Cities**
 - Camera controls
 - IoT
 - Sensors
 - Health controls



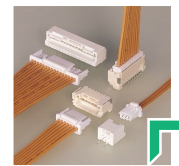
SUH



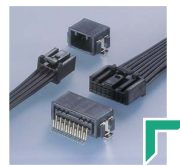
NSH



ACH



ZE



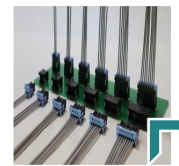
CPT



JWPF



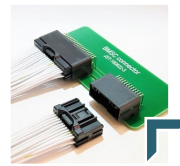
PA



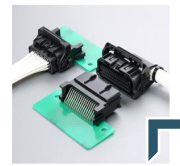
PAMU



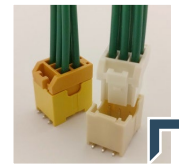
ULH



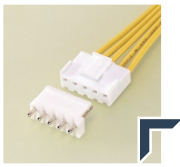
BMSC



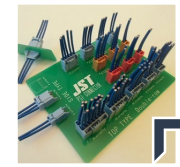
ZRO



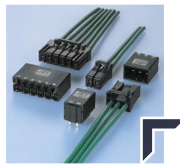
BSS



VH



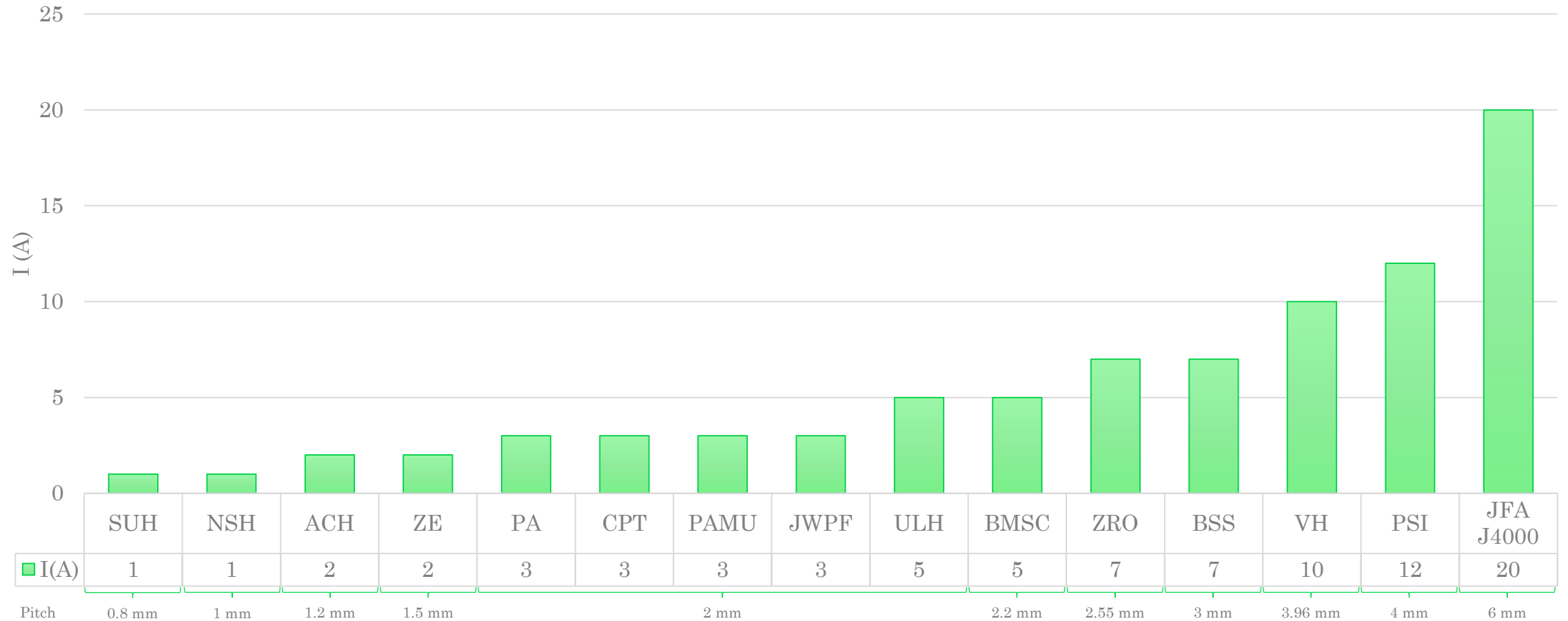
PSI



JFA
J4000

JST CONNECTORS RANGE : POWER DELIVERY SYSTEMS

POWER DELIVERY RANGE





**SERIES
PRESENTATION**

POWER DELIVERY SYSTEMS : SERIES

WTB connector

- Pitch: 0.8mm
- Current rating :
1A AC,DC (AWG#28)
- Voltage rating :
30V AC,DC
- Temp. Range:
-25°C to +85°C
- Contact resistance:
Initial value: 30mΩ max
After environmental tests:
50Ω max
- Withstanding voltage :
200 VAC/min
- Applicable wire :
Conductor size AWG#32
to #28
Insulation O.D. 0.5 to
0.6mm
- Circuits N°:
2 to 20



HSN

WTB connector

- Pitch: 1mm
- Current rating :
1A AC,DC (AWG#28)
- Voltage rating :
50V AC,DC
- Temp. Range:
-25°C to +85°C
- Contact resistance:
Initial value: 30mΩ max
After environmental tests:
50Ω max
- Withstanding voltage :
500 VAC/min
- Applicable wire :
Conductor size AWG#32
to #28
Insulation O.D. 0.4 to
0.8mm
- Circuits N°:
2 to 15



ACH

WTB connector

- Pitch: 1.2mm
- Current rating :
1-3 circuits : 2A AC,DC
(AWG#28)
4-5 circuits : 1.5A AC,DC
(AWG#28)
- Voltage rating :
50V AC,DC
- Temp. Range:
-25°C to +85°C
- Contact resistance:
Initial value: 10mΩ max
After environmental tests:
20Ω max
- Withstanding voltage :
500 VAC/min
- Applicable wire :
Conductor size AWG#32
to #28
Insulation O.D. 0.38 to
0.63mm
- Circuits N°:
1 to 5



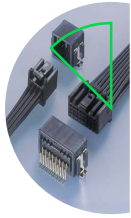
ZE

WTB connector

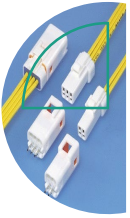
- Pitch: 1.5mm
- Current rating :
2A AC,DC (AWG#24)
- Voltage rating :
100V AC,DC
- Temp. Range:
-25°C to +85°C
- Contact resistance:
Initial value: 20mΩ max
After environmental tests:
40Ω max
- Withstanding voltage :
There shall be no
breakdown or flashover
while applying 500VAC
for one min.
- Applicable wire :
Conductor size AWG#30
to #24
Insulation O.D. 0.76 to
1.23mm
- Circuits N°:
2 to 16

POWER DELIVERY SYSTEMS : SERIES


WTB connector

- 
- CPT**
- Pitch: 2mm
 - Current rating :
3A AC,DC
 - Voltage rating :
50V AC,DC
 - Temp. Range:
-40°C to +100°C
 - Contact resistance:
Initial value: 8mΩ max
After environmental tests:
16Ω max
 - Withstanding voltage :
1000 VAC/min
 - Applicable wire :
AESSX-f / AVSS
0.3mm²
 - Circuits N°:
2 to 24


WTB & WTW Waterproof connector

- 
- JWPF**
- Pitch: 2mm
 - Current rating :
3A AC,DC (AWG#22)
 - Voltage rating :
100V AC,DC
 - Temp. Range:
-55°C to +85°C
 - Contact resistance:
Initial value: 10mΩ max
After environmental tests:
15mΩ max
 - Withstanding voltage :
There shall be no
breakdown or flashover
while applying 1000VAC
for one min.
 - Applicable wire :
Conductor size AWG#26
to #22
Insulation O.D. 1.4 to
1.7mm
 - Circuits N°:
2 to 8

WTB & WTW connector

- 
- PA**
- Pitch: 2mm
 - Current rating :
3A AC,DC (AWG#22)
 - Temp. Range:
-25°C to +85°C
 - Contact resistance:
Initial value: 10mΩ max
After environmental tests:
20mΩ max
 - Withstanding voltage :
800 VAC/min
 - Applicable wire :
Conductor size AWG#28
to #22
Insulation O.D. 0.76 to
1.5mm
 - Circuits N°:
2 to 16

WTB connector

- 
- PAMU**
- Pitch: 2mm
 - Current rating :
3A AC,DC (AWG#22)
1A AC,DC (AWG#26)
 - Temp. Range:
-40°C to +125°C
 - Contact resistance:
Initial value: 10mΩ max
After endurance : 20mΩ
max
 - Withstanding voltage :
No die electric breakdown
 - Applicable wire :
Conductor size AWG#22
Coating O.D. 1.25 to
1.40mm
Conductor size AWG#26
Coating O.D. 1.30mm
 - Circuits N°:
2 to 8

POWER DELIVERY SYSTEMS : SERIES

WTB connector

- Pitch: 3.96mm
- Current rating :
10A AC,DC (AWG#16)
- Voltage rating :
250V AC,DC
- Temp. Range:
-25°C to +85°C
- Contact resistance:
Initial value: 10mΩ max
After environmental tests:
20mΩ max
- Withstanding voltage :
1500 VAC/min
- Applicable wire :
AWG#22 to #16
- Circuits N°:
2 to 11



WTB & WTW connector

- Pitch: 4mm
- Current rating :
12A AC,DC
- Voltage rating :
300V AC,DC
- Temp. Range:
-25°C to +85°C
- Contact resistance:
Initial value: 10mΩ max
After environmental tests:
20mΩ max
- Withstanding voltage :
There shall be no
breakdown or flashover
while applying, 1500VAC
for one min.
- Applicable wire :
AWG#26 to AWG#16
- Circuits N°:
2 to 14



WTB connector

- Pitch: 6 & 6.35mm
- Current rating :
Check data sheet
- Voltage rating :
600V AC,DC
- Temp. Range:
-55°C to +105°C
- Withstanding voltage :
2200 VAC/min
- Applicable wire :
AWG#16 to #12
1.25 to 3.5mm²
- Circuits N°:
2 to 6



VHA

PSI

JFA J4000



JST *France*

THANK YOU

www.jst.fr

