

## Power Supplies (current sources) for superconducting magnets (coils) CS-SC

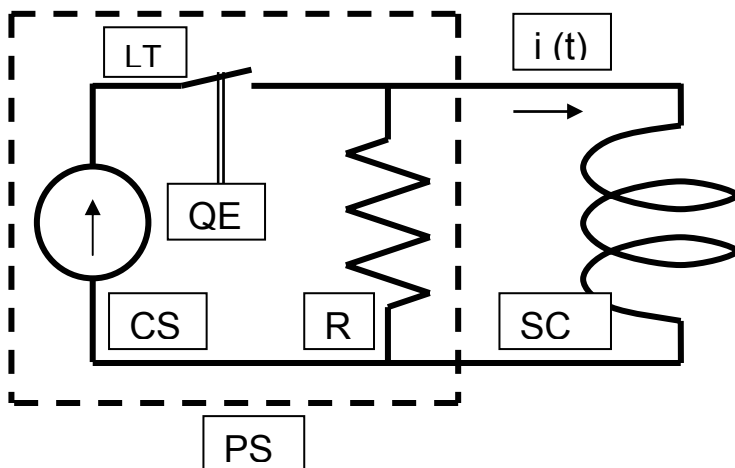
We construct, produce, install und bring to reliable running the CS-SC with:

<b>Current up to</b>	13 000 A
<b>Voltage</b>	0 to 50V or according to your specification
<b>Technology</b>	Power SCR or IGBT
<b>Basic precision</b>	better than 1 % or according to your demand

### General advantages of our CS-SC:

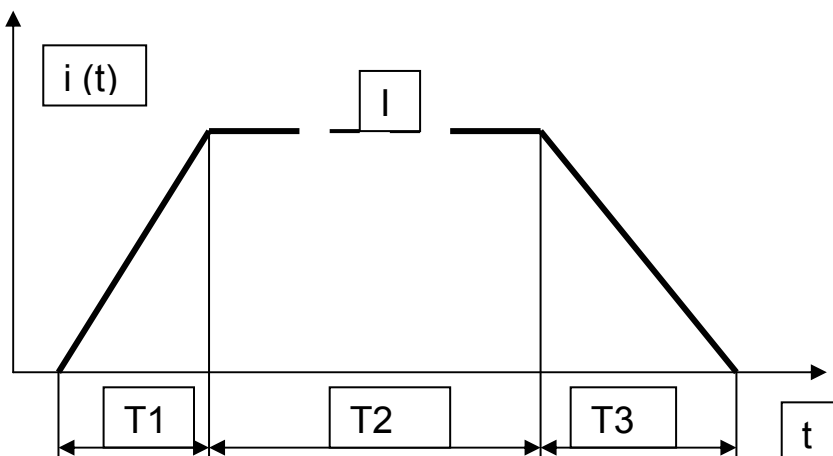
- They produce programmable direct current at their output in accordance with your demand
- They have clearly defined interfaces, so they can be easily connected to different control systems
- We offer you favourable prices with a good price-quality quotient. We can do it, because we matched our small overheads with the long engineer experience of our experts.

**Typical power supplying of superconductor coils**  
 For other configurations please contact us



PS = power supply with current source CS, power break switch LT, quench electronic QE, resistor R for system discharging

SC = superconducting coil

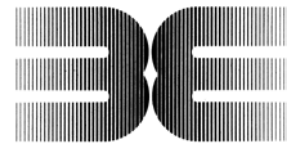


I = operation current

T1 = start up time

T2 = operating time

T3 = shut down time



## **Power Supplies (current sources) for superconductor magnets (coils) CS-SC. Order key:**

### **Scientific part of your specification (see the both Figures above):**

L [H] = inductance of SC

Note: this is important input data, please check it carefully or measure it

I [A] = operation current = .....

T1 [minutes] = start up duration:            min. value = .....            max. value = .....

T2 [minutes] = operating time:             shorter than 2 hours     longer than 2 hours

T3 [minutes] = shut down duration:       min. value = .....            max. value = .....

### **Technical part of your specification:**

U [V] = AC input voltage = .....

f [Hz] = AC input frequency = .....

Cooling water:                                 exist                                 not exist

Note: after your ordering we give you information if a cooling water connection is required

D [m] = Distance between power supply and superconducting coil = .....

Compensation of reactive power:         required                                 not required

Control:                                         manually  
 manually inkl. the analog interface for remote control  
 manually inkl. remote control, PC and software

Quench Electronics                         required                                 not required  
 with special demands, please specify

Documentation                                 German                                 English

Further requirements: