



## **BATTERY-BUFFERED EnDat ENCODERS**

### **ASSEMBLING GUIDE FOR POWERING WITH BATTERY**

### Parts list

Item No.	Qty	Part No.	Description
1	1	–	D-SUB connector set
2	1	20-00004342-00	2-pole plastic Molex connector
3	1	–	30/15 Shrinkable tube, L = 80 mm

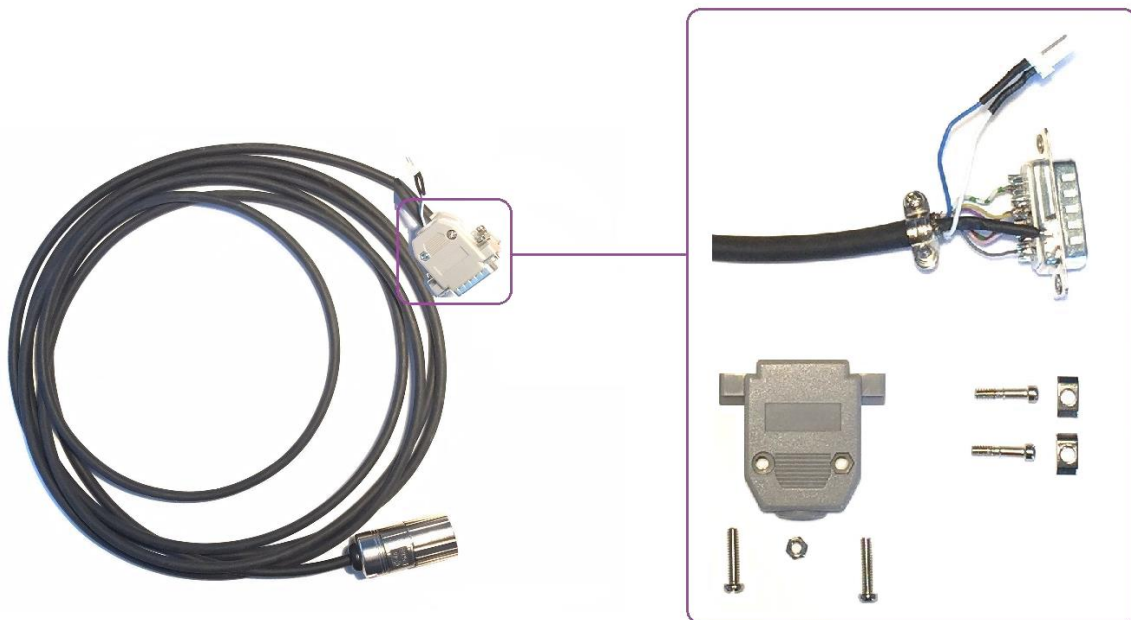
### Tools list

Item No.	Description
a	Molex crimp tool – 69008-0724
b	Weidmüller Stripax stripping tool
c	Cutting pliers
d	Soldering iron
e	Heat gun

### Execution of assembling

#### ▪ Step 1

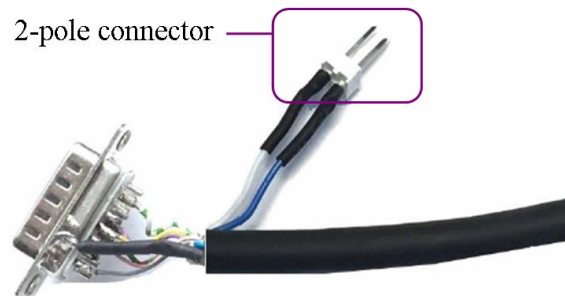
The end of the cable assembly having D–SUB connector contains the following parts:



Before assembling the D-SUB connector, place a shrinkable tube of  $\varnothing 30$  mm nominal diameter on the cable for later clamping the assembled cable and the assembled battery.

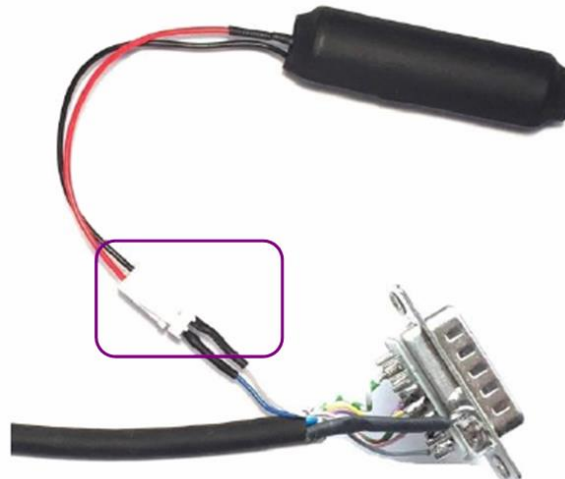
▪ **Step 2**

At the D-SUB connector, connect the blue wire and the white wire to the 2-pole connector.



▪ **Step 3**

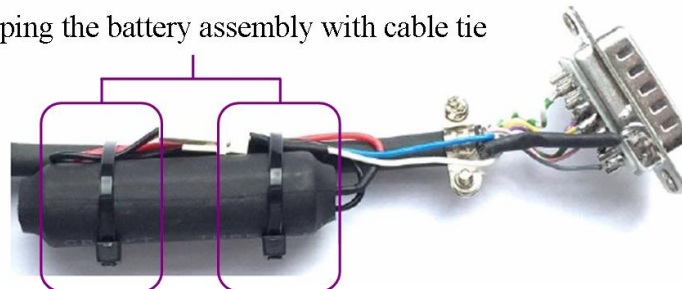
Connect the assembled battery to the 2-pole connector.



▪ **Step 4**

Clamp the assembled cable and the assembled battery with cable tie at first and then using shrinkable tube.

Clamping the battery assembly with cable tie



▪ **Step 5**

After assembling the D-SUB connector, blow hot air on the shrinkable tube using heat gun to provide appropriate clamping for part assemblies.

The shrinkable tube treated with hot air

