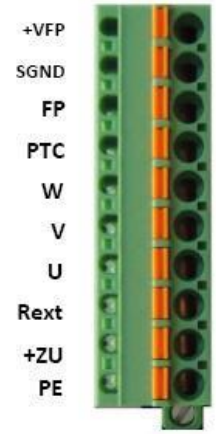
Modify wiring as follows:

1. The Datron "0691235A_BMR0401-Field Plate Adapter, DSub-15" with the brown and white cable is no longer needed.
   Therefore remove it and disconnect the brown and white cable from the spindle connector.

2. OR/OG (Orange/Yellow) at SFU0401-Pin4 to SFU0303-Pin4 PTC
3. RT/RD (Red) at SFU0401-Pin5 to SFU0303-PIN3 FP
4. WS/WH (White) at SFU0401-Pin6 to SFU0303-Pin2 SGND
5. GR/GY (Gray) at SFU0401-Pin6 to SFU0303-PIN2 SGND

6. VI/VT (Violet) has to be separated from RED and has instead to be wired at the spindle connector to PIN10 +Vp
By this the speed sensor circuit is powered with a potential free voltage coming from +Vp and FP_GND.
Additionally the internal optocouplers for PTC and FP are not shorted any longer.
Moreover the digital inputs cannot interfer with the spindle signals.

6.2 Version SSE: Mains and Spindle connection



Pin	Name	Direction	Function
1	+VFP	Output	Auxiliary voltage supply for active speed sensor 12V/50mA
2	SGND		Ground reference for signals FP, PTC
3	FP	Input	Input for 2/3-wire speed sensors / Hall sensor
4	PTC	Input	temperture signal of the spindle or as option KTY setting via interface X4-Pin3 -> 6.3
5	W	Output	Spindle Phase W
6	V	Output	Spindle Phase V X4
7	U	Output	Spindle Phase U
8	Rext	Output	External Brake resistor / Chooper Resistor
9	+ZU	Output	Intermediate voltage (! Attention, High Tension!)
10	PE	Output	Connection for protective earth of spindle **! Safety !**

7. Connect the spindle phases to 5(W),6(V),7(U).
Caution, check the direction of rotation and turn the cables if necessary.

Attention: The colour indications for the cables are a typical example, they can also be different in practice.