

TM3 FEBIAD No Target

4.1 ~~TM4~~ FEBIAD with Target and No External Connections

Shunts installed and tightened E-F-G-H-T-J-RFQ(H)	
FEBIAD coil shunts removed P-Q-R-U	

open circuit

Ohm Meter Check					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Magnet Coil (U) <i>Q</i> ✓	<i>OL</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>
	Infinite	Infinite	Infinite	Infinite	Infinite
Anode with 52 pin connector (H) <i>X</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>
	Infinite	Infinite	Infinite	Infinite	Infinite
60kV Common (T)	<i>OL</i>	<i>OL</i>			
	Infinite	Infinite			
Chassis	<i>OL</i>	<i>OL</i>	<i>OL</i>		
	Infinite	Infinite	Infinite		
EE (I)	<i>OL</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>	
	Infinite	Infinite	Infinite	Infinite	
Einzel Lens (Y)	<i>OL</i>				
	Infinite				

Megger Check (all @ 500V unless otherwise noted)					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Anode (H) <i>X</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>
	Infinite	Infinite	Infinite	Infinite	Infinite
60kV Common (T)	<i>OL</i>	<i>OL</i>			
	Infinite	Infinite			
Chassis	<i>OL</i>	<i>OL</i>	<i>OL</i>		
	Infinite @ 1000V	Infinite @ 1000V	Infinite		
EE (I)	<i>OL</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>	
	Infinite	Infinite	Infinite	Infinite	
Einzel Lens (Y)	<i>OL</i>				
	Infinite				

Conductance Check [mΩ]						
A - B	A - C	A - D	B - C	B - D	C - D	Q - U
<i>OL</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>
< 5.7	< 6.8	< 5.3	< 6.8	< 5.3	< 5.5	< 5

Backg. leak rate:	HS leak rate:
[atm-cc/s] < 5E-9	[atm-cc/s] < Backg. leak rate

Target: <i>None</i>	Date: <i>April 16, 2013</i>
Location: <i>SHC CS SHCpost</i>	Signature: _____

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