

TM3

4.1 ~~FEBIAD~~ 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	

Ohm Meter Check					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Magnet Coll (U, Q)	<i>OL</i>	<i>OL</i>	<i>30Ω</i>	<i>OL</i>	<i>OL</i>
	Infinite	Infinite	Infinite	Infinite	Infinite
Anode (H)	<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>OL</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>	<i>OL</i>
	Infinite	Infinite	Infinite	Infinite	Infinite
60kV Common (T)	<i>43M</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>5.24</i>	<i>4.26</i>	<i>4.16</i>	<i>4.13</i>	<i>4.03</i>	<i>1.86</i>	<i>5.22</i>
< 5.7	< 6.8	< 5.3	< 6.8	< 5.3	< 5.5	< 5

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

Target: <i>N.O</i>	Date: <i>Sept 25/13</i>
Location: SHC <i>CS</i> SHCpost	Signature: <i>[Signature] / T. CAVE</i>

UNDER VAC.

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VACCUm primary 7.4 x 10⁻⁵
Sec 1.32 x 10⁻⁴