

4.1 ² TMS/4 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 Coil (U, Q)	∅	OL	OL	OL	OL
	Infinite	Infinite	Infinite	Infinite	Infinite
Anode (H)	OL	OL	OL	OL	OL
	Infinite	Infinite	Infinite	Infinite	Infinite
60kV Common (T)	OL	OL			
	Infinite	Infinite			
Chassis	OL	OL	OL		
	Infinite	Infinite	Infinite		
EE (I)	OL	OL	OL	OL	
	Infinite	Infinite	Infinite	Infinite	
Einzel Lens (Y)	∅ OL				
	Infinite				

Megger Check (all @ 500V unless otherwise noted)					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Anode (H)	220K	OL	226K	436M	1G
	Infinite	Infinite	Infinite	Infinite	Infinite
60kV Common (T)	∅	OL			
	Infinite	Infinite			
Chassis	439M	OL	434M		
	Infinite @ 1000V	Infinite @ 1000V	Infinite		
EE (I)	1G	OL	1G	1.57G	
	Infinite	Infinite	Infinite	Infinite	
Einzel Lens (Y)	OL				
	Infinite				

Conductance Check [mΩ]						
A - B	A - C	A - D	B - C	B - D	C - D	Q-U
5.490	5.639	4.079	5.333	4.678	4.786	8.083
4 - 5.7	5 - 6.8	4 - 5.3	5 - 6.8	4 - 5.3	4 - 5.5	4 - 5

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

Target: <u>SIC # 38</u>	Date: <u>Nov 26 2019</u>
Location: SHC CS <u>(SHCpost)</u>	Signature: <u>T CAVE</u>