

TM2

4.1 ~~TM~~ 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	ZERO	OK	OL
	Infinite	Infinite	Infinite	Infinite	Infinite
Anode (H)	OL	OL	OK	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)	225K	OL	39K	1G	255K
	Infinite	Infinite	Infinite	Infinite	Infinite
60kV Common (T)	205K	OL			
	Infinite	Infinite			
Chassis	707M	OL	843M		
	Infinite @ 1000V	Infinite @ 1000V	Infinite		
EE (I)	559K	OL	193K	716M	
	Infinite	Infinite	Infinite	Infinite	
Einzel Lens (Y)	OL				
	Infinite				

Co-ABCD
@2.50V 269K

Conductance Check [mΩ]						
A - B	A - C	A - D	B - C	B - D	C - D	Q-U
5.272	5.421	4.712	5.248	4.541	4.574	4.902
< 5.7	< 6.8	< 5.3	< 6.8	< 5.3	< 5.5	< 5

4654

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

Target: SiC #32	Date: March 16 th 2016
Location: SHC CS (SHCpost)	Signature: T. CAVE

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