

**4.1 <sup>2</sup>TM~~34~~ 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	✓

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Ohm Meter Check					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Magnet Coil (U, Q)	OL	OL	0 Ω	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)	387M	OL	583M	OL	OL
	Infinite	Infinite	Infinite	Infinite	Infinite
60kV Common (T)	233 M <sup>k</sup>	OL			
	Infinite	Infinite			
Chassis	883M @ 500V	OL	862M		
	Infinite @ 1000V	Infinite @ 1000V	Infinite		
EE (I)	OL	OL	OL	OL	
	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
5.334	5.543	4.932	5.180	4.563	4.702	4.069
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:	10-9 Dme
[atm-cc/s]	< 5E-9	[atm-cc/s]	< Backg. leak rate

Window tested to 10-9 as well. Dme

Target: <u>SIL# 32</u>	Date: 2015-10-19
Location: <u>SHC</u> CS SHCpost	Signature: <u>T. CAVE</u>

A. Mjos