

Target Module with Target Check		
Document-75583	Release No. 1	Release Date.: 2013/12/11

4.1 TM3/4 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				

RU → 60kV short
 PR → 60kV OL

Megger Check (all @ 500V unless otherwise noted)					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Anode (H)	244M	OL	137M	OL	OL
	Infinite	Infinite	Infinite	Infinite	Infinite
60kV Common (T)	9.76M	1.16			
	Infinite	Infinite			
Chassis	393M	1.06	391M		
	Infinite @ 1000V	Infinite @ 1000V	Infinite		
EE (I)	836M	OL	847M	797M	
	Infinite	Infinite	Infinite	Infinite	
Einzel Lens (Y)	1.16				
	Infinite				

Conductance Check [mΩ]						
A-B	A-C	A-D	B-C	B-D	C-D	Q-U
5.202	5.205	4.304	4.525	3.805	4.028	OL
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]	< 5E-9	[atm-cc/s]	< Backg. leak rate

Target: S.C#37	Date: October 18 2017
Location: SHC CS SHCpost	Signature: T CAVE D WANG

No coil magnet