

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

4.2 TM3/4 SIS with Target and No External Connections

Shunts installed and tightened E-F-G-H-T-J-RFQ(H)	
FEBIAD coil shunts installed and tightened P-Q-R-U	

	Ohm Meter Check				
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Magnet Coil (U, Q)					
Anode (H)					
60kV Common (T)	OL Infinite	OL Infinite			
Chassis	OL Infinite	OL Infinite			
EE (I)	OL Infinite	OL Infinite	OL Infinite	OL 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)					
60kV Common (T)					
Chassis	282M Infinite @ 1000V	OL Infinite @ 1000V	284M Infinite		
EE (I)	903M Infinite	OL Infinite	930M Infinite	901M Infinite	
Einzel Lens (Y)	OL Infinite				

Conductance Check [mΩ]						
A - B	A - C	A - D	B - C	B - D	C - D	
5.234	5.122	5.051	4.703	4.630	4.460	
4 - 5.7	5 - 6.8	4 - 5.3	5 - 6.8	4 - 5.3	4 - 5.5	

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

Target: UCC #13	Date: July 27 2015
Location: (SHC) CS SHCpost	Signature: T CAVE

5 Additional electrical tests for IG-LIS Target Assemblies

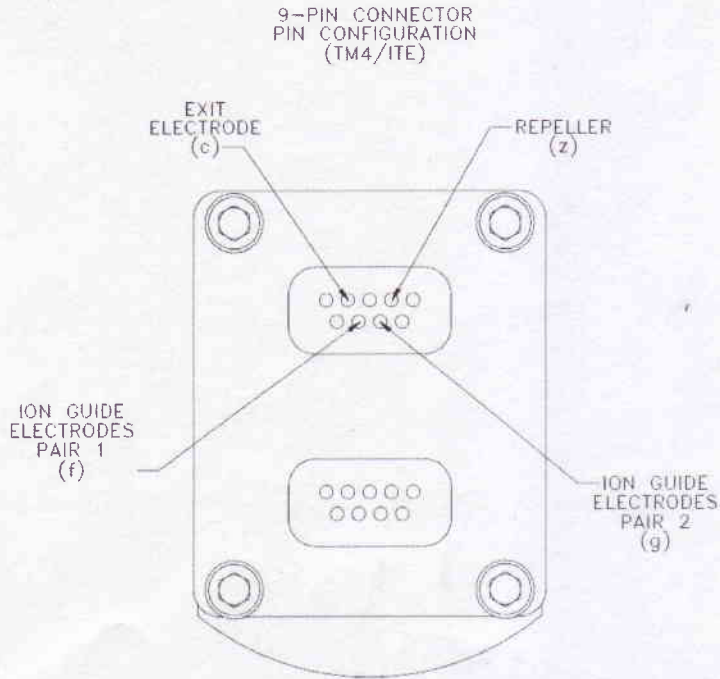


Table 1: Megger Test @500V unless otherwise noted

	Exit Electrode (c)	Repeller (z)	Ion Guide 1 (f)	Ion Guide 2 (g)
Repeller (z)	OL			
Ion Guide 1 (f)	OL	495M		
Ion Guide 1 (g)	135M	79.7M	405M*	
Heat Shield (T)	5.85M	OL*	53.5M	21.55M
Target (ABCD)		OL*		
EE (l)	OL			

All values expected to be OL.

Target: UC #13	Date: July 27 2015
Location: SHC CS SHCpost	Signature: T LAUI D WANG