

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	OL Infinite @ 1000V	OL Infinite @ 1000V	OL Infinite		
EE (I)	OL Infinite	OL Infinite	OL Infinite		
Einzel Lens (Y)	OL Infinite				

Conductance Check [mΩ]						
A - B	A - C	A - D	B - C	B - D	C - D	
5.099	5.200	4.958	4.571	4.330	4.230	
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: UC# 10	Date: MAY 18 2017
Location: SHC CS SHCpost	Signature: D WANG T CAVE

under vacuum

val - 2.8×10^{-7} Torr

5 Additional electrical tests for IG-LIS Target Assemblies

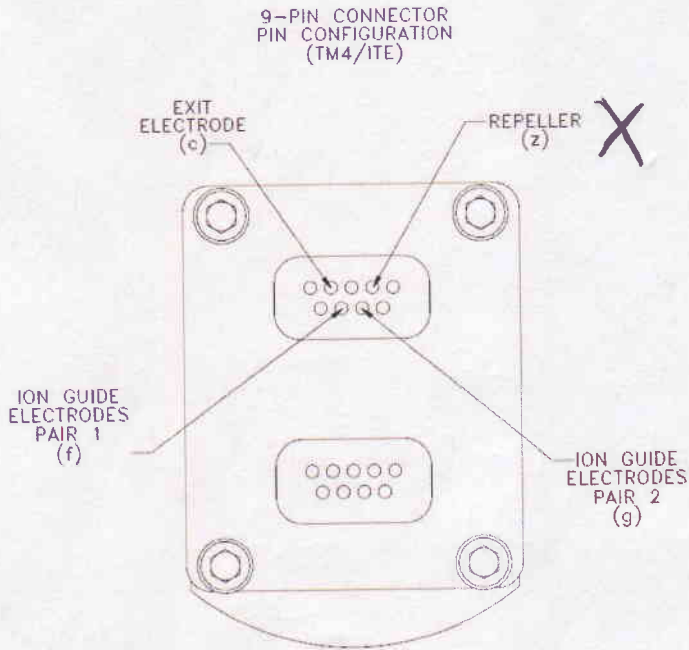


Table 1: Megger Test @500V unless otherwise noted

	Exit Electrode (c)	Repeller (z) X	Ion Guide 1 (f)	Ion Guide 2 (g)
Repeller (z) X	OL			
Ion Guide 1 (f)	OL	OL		
Ion Guide 1 (g)	20M	OL	OL	
Heat Shield (T)	121M	OL	OL	45M
Target (ABCD)		OL		
EE (I)	OL			

All values expected to be OL.

Target: UC#20	Date: May 18 2017
Location: SHC CS SHCpost	Signature: D WANK

under $1G1-2.8 \times 10^{-7}$ Torr T CAVE

Vacuum