

TM2/3/4 SIS with Target and No External Connections

Ohm Meter Check					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Magnet Coil (U, Q)	[Shaded]				
Anode (H)					
60kV Common (T)	OL Infinite	OL Infinite			
Chassis	OL Infinite	OL Infinite	OL Infinite		
EE (I)	OL Infinite	OL Infinite	OL Infinite		Infinite
Einzel Lens (Y)	OL Infinite				

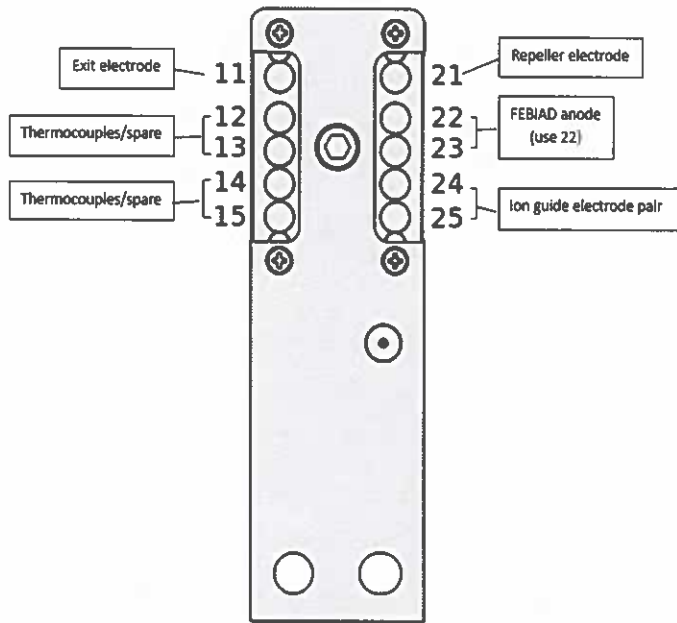
Megger Check (all @ 500V unless otherwise noted)					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Anode (H)	[Shaded]				
60kV Common (T)					
Chassis	16.9M @250V under vacuum only	OL Infinite			
Chassis	346M Infinite @ 1000V	OL Infinite @ 1000V	341M Infinite		
EE (I)	OL Infinite	OL Infinite	OL Infinite	OL Infinite	
Einzel Lens (Y)	OL Infinite				

Conductance Check [mΩ]						
A - B	A - C	A - D	B - C	B - D	C - D	
9.936	6.084	6.366	8.941	9.252	5.370	
4 - 5.7	5 - 6.8	4 - 5.3	5 - 6.8	4 - 5.3	4 - 5.5	

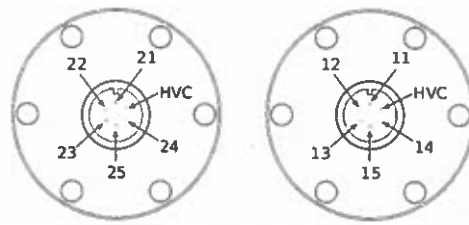
Backg. leak rate:	N/A	HS leak rate:	N/A
[atm-cc/s]	< 5E-9	[atm-cc/s]	< Backg. leak rate

Target:	Nb #11	Date:	2023-08-28
Location:	HC - CS - HCpost ITW	Signature:	[Signature]

Additional electrical tests for IG-LIS Target Assemblies



12, 13, 14, 15, 22, 23
to 60kV → short



FLANGE B

FLANGE A

Table 1: Continuity test at hot cell. Megger test @250V in TCS with turbos on.

	Exit Electrode 1-1(flange A)	Repeller 2-1(flange B)	Ion Guide 1 2-4(flange B)	Ion Guide 1 2-5(flange B)
Repeller 2-1(flangeB)	OL			
Ion Guide 1 2-4(flangeB)	OL	OL		
Ion Guide 1 2-5(flangeB)	OL	OL	OL	
Heat Shield (T)	OL	OL	OL	OL
Target (ABCD)		OL		
EE (I)	OL			

All values expected to be OL.

Target:	Nb # 11	Date:	2023-08-28
Location:	HC CS HCpost ITW	Signature:	<i>[Handwritten Signature]</i>