

4.2 TM4 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)	Infinite	Infinite	0L	0L
Chassis		Infinite	Infinite	0L	0L
EE	(I)	Infinite	Infinite	0L	0L
Einzel Lens	(Y)	Infinite	Infinite	0L	0L

Megger Check (all @ 500V unless otherwise noted)

Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
60kV Common	(T)	Infinite	Infinite	523kΩ
Chassis		Infinite @ 1000V	Infinite	117M
EE	(I)	Infinite	Infinite	59.2M
Einzel Lens	(Y)	Infinite	Infinite	737M

Conductance Check [mS]					
A-B	A-C	A-D	B-C	B-D	C-D
5.56mS	6.207	4.955	6.355	5.088	5.619
< 5.7	< 6.8	< 5.3	< 6.8	< 5.3	< 5.5

Backg. leak rate:	[atm-cc/s]	< 5E-9	HS leak rate:	[atm-cc/s]	< Backg. leak rate
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Location:	SHC CS SHCpost
Target:	Ta # 42
Date:	Mar 27 2014
Signature:	T. CLAVE