


4.2 TM2/3/4 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

A → P OL
A → R OL
P → 60kV @ 297K

A → P ~~297K~~
297K

Ohm Meter Check					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Magnet Coil (U, Q)					
Anode (H)					
60kV Common (T)	0 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	773M Infinite @ 1000V	OL Infinite @ 1000V	785M 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
	6.305	6.527	5.933	6.423	5.840	5.990
	4-5.7	5-6.8	4-5.3	5-6.8	4-5.3	4-5.5

Backg. leak rate: [atm-cc/s]	0.2 x 10 ⁻⁹ < 5E-9	HS leak rate: [atm-cc/s]	0.2 x 10 ⁻⁹ < Backg. leak rate
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Target: SIS dummy	Date: 2020-02-14
Location: SHC CS SHCpost	Signature: 