

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)									
Anode (H)									
60kV Common (T)						OL Infinite	OL Infinite		
Chassis						OL Infinite	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)						9.3M @250V under vacuum only	OL Infinite		
Chassis						395M Infinite @ 1000V	OL Infinite @ 1000V	371M Infinite	
EE (I)						542M Infinite	OL Infinite	551M Infinite	575M Infinite
Einzel Lens (Y)						OL Infinite			

Conductance Check [mΩ]					
A-B	A-C	A-D	B-C	B-D	C-D
7.226	7.617	6.148	7.050	5.567	5.785
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: UGX#41	Date: 2023-08-26
Location: SHC CS SHCpost	Signature: [Signature]

TM4

Target Module Electrical Check with no target attached for Modules 2/3/4

Resistance check all values in ohms, all values should be infinite.

	A (Target)	B (Target)	C (Target)	D (Target)	Q (Coil)	R (Coil)	T(60kV Common)	X (55 Pin con)	I (EE)	Y (Einzel Lens)	Chassis
A (Target)	OL										
B (Target)	OL										
C (Target)	OL	OL									
D (Target)	OL	OL	OL								
Q (Coil)	OL	OL	OL	OL							
R (Coil)	OL	OL	OL	OL	OL						
T(60kV Common)	OL	OL	OL	OL	OL	OL					
X (55 Pin con)											
I (EE)	OL	OL	OL	OL	OL	OL	OL	OL	OL		
Y (Einzel Lens)	OL	OL	OL	OL	OL	OL	OL	OL	OL		
Chassis	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	

Meggering check all circuits checked at 500V. All values should be infinite. Any measured values are in ohms.

	A (Target)	B (Target)	C (Target)	D (Target)	Q (Coil)	R (Coil)	T(60kV Common)	X (55 Pin con)	I (EE)	Y (Einzel Lens)	Chassis
A (Target)	OL										
B (Target)	OL										
C (Target)	OL	OL									
D (Target)	OL	OL	OL								
Q (Coil)	42.2M	OL	OL	OL							
R (Coil)	OL	OL	OL	OL	OL						
T(60kV Common)	OL	OL	OL	OL	OL	OL					
X (55 Pin con)											
I (EE)											
Y (Einzel Lens)	OL	OL	OL	OL	OL	OL	OL	OL	OL		
Chassis	OL	OL	OL	OL	OL	OL	628M		OL	OL	

Module #	3	Other:	4	Date:	2023-01-24
Location:	SHC	CS		Signatures:	Wan

All 14 pins : OL between pins and to 60kV @ ohmeter measurement