

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	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)	10.3M infinite	OL infinite			
Chassis	OL infinite @ 1000V	OL infinite @ 1000V	OL 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
8.616	7.630	7.219	7.709	7.298	6.218
4-5.7	5-6.8	4-5.3	5-6.8	4-5.3	4-5.5

Backg. leak rate:	0.0×10^{-9}	HS leak rate:	0.0×10^{-9}
[atm-cc/s]	< 5E-9	[atm-cc/s]	< Backg. leak rate

Target: <i>ULX 33</i>	Date: <i>201-06-10</i>
Location: <i>SHC CS SHCpost</i>	Signature: <i>[Signature]</i>

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	OL									
C (Target)	OL	OL	OL								
D (Target)	OL	OL	OL	OL							
Q (Coil)	OL	OL	OL	OL	OL						
R (Coil)	OL	OL	OL	OL	OL	OL					
T (60kV Common)	OL	OL	OL	OL	OL	OL					
X (55 Pin con)	OL	OL	OL	OL	OL	OL	OL				
I (EE)	OL	OL	OL	OL	OL	OL	OL	OL	OL		
Y (Einzel Lens)	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	
Chassis	OL	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)	17.8M										
B (Target)	28M	2.6M									
C (Target)	OL	OL	OL								
D (Target)	OL	OL	OL	OL							
Q (Coil)	0	23.6M	32M	OL							
R (Coil)	65M	78M	87M	OL	66M						
T (60kV Common)	18M	15.6M	23M	OL	18.3M	53M					
X (55 Pin con)	OL	OL	OL	OL	OL	OL	OL				
I (EE)	OL	OL	OL	OL	OL	OL	OL	OL	OL		
Y (Einzel Lens)	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	
Chassis	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL

Module #	2	3	4	Date:	2021-06-10
Location:	SFC	CS	Other:	Signatures:	<i>[Signature]</i>

NHC

Before VC 33 installation