

TM2 (Ta#66)

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 | | | | | | OL | | | |
| | Infinite | | | | | | Infinite | | | |
| Chassis | OL | | | | | | OL | OL | | |
| | Infinite | | | | | | Infinite | Infinite | | |
| EE (I) | OL | | | | | | OL | OL | OL | |
| | Infinite | | | | | | Infinite | Infinite | 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) | | | | | | | | | | |
| 60kV Common (T) | 14.2M | | | | | | OL | | | |
| | @250V under vacuum only | | | | | | Infinite | | | |
| Chassis | 421M | | | | | | OL | 417M | | |
| | Infinite @ 1000V | | | | | | Infinite @ 1000V | Infinite | | |
| EE (I) | 240M | | | | | | OL | OL | 449M | |
| | Infinite | | | | | | Infinite | Infinite | Infinite | Infinite |
| Einzel Lens (Y) | OL | | | | | | | | | |
| | Infinite | | | | | | | | | |

| Conductance Check [mΩ] | | | | | |
|------------------------|---------|---------|---------|---------|---------|
| A - B | A - C | A - D | B - C | B - D | C - D |
| 5.819 | 6.483 | 5.452 | 6.252 | 5.231 | 6.000 |
| 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: | Ta*66 | Date: | 2024-01-08 |
| Location: | HC CS HCpost | Signature: | Wannan |