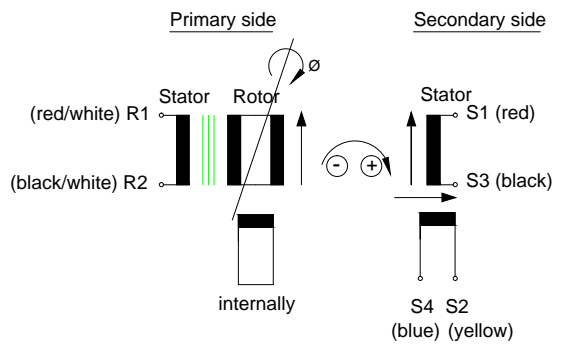
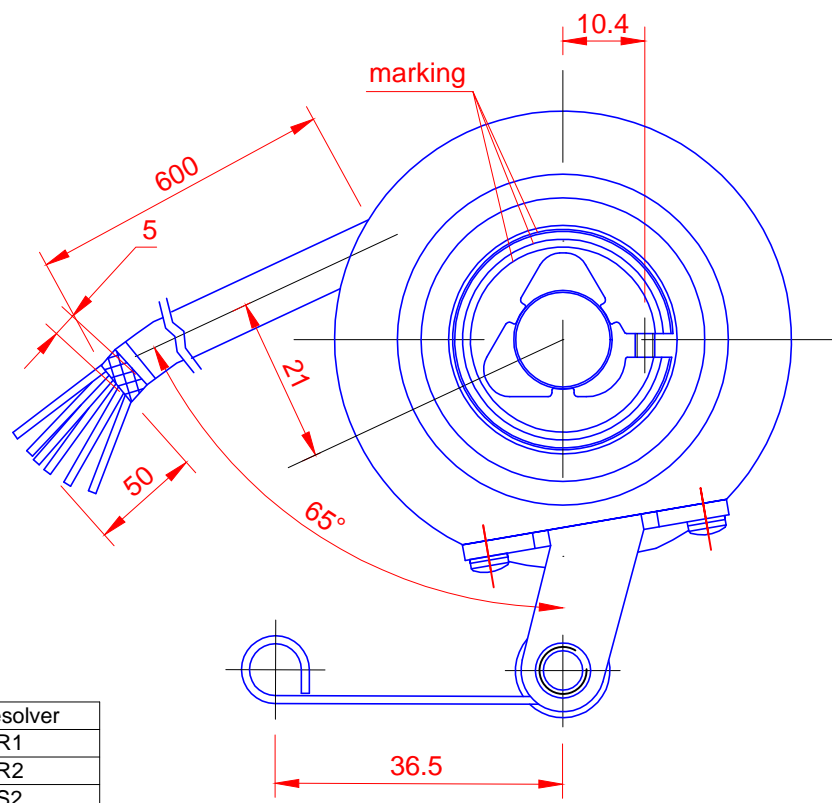
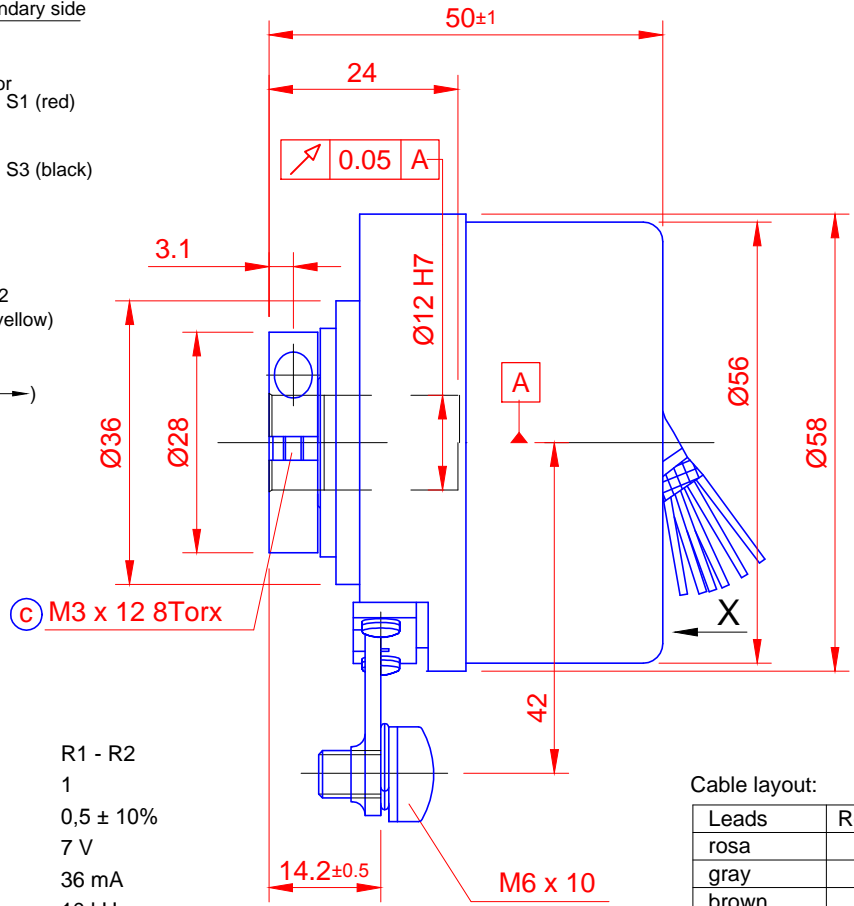


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Positive counting direction : Rotor cw as viewed (X →)

Input : $E(R1-R2) = E_{sin}(wt)$
 Output : $E(S1-S3) = Tr \times E(R1-R2)\cos\theta$
 $E(S2-S4) = Tr \times E(R1-R2)\sin\theta$
 Tr = Transformation ratio
 Inner diam. stator = 33.470 min.
 Outer diam. rotor = 32.725 max.



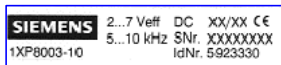
| Primary side | R1 - R2 | R1 - R2 |
|----------------------|------------|------------|
| Pole pairs | 1 | 1 |
| Transformation ratio | 0,5 ± 10% | 0,5 ± 10% |
| Input voltage | 7 V | 7 V |
| Input current | 58 mA | 36 mA |
| Input frequency | 5 kHz | 10 kHz |
| Phase shift | 8° ± 3° | -6° ± 3° |
| Null voltage | 30 mV max. | 30 mV max. |
| Impedance | | |

| | | |
|-----|---------------|---------------|
| Zro | 75 j 98 Ohm | 110 j 159 Ohm |
| Zrs | 70 j 85 Ohm | 96 j 150 Ohm |
| Zso | 180 j 230 Ohm | 245 j 400 Ohm |
| Zss | 170 j 200 Ohm | 216 j 370 Ohm |

| D.C. resistance | | |
|------------------------|------------------------|--|
| Rotor | 40 Ohm ± 10% | |
| Stator | 102 Ohm ± 10% | |
| Accuracy absolute | ± 6' | |
| Accuracy spread | 10' | |
| Operating temperature | -55° C ... +155° C | |
| Hi-pot housing/winding | 500 V min. | |
| Hi-pot winding/winding | 250 V min. | |
| Rotor / Stator | Completely impregnated | |

Cable layout:

| Leads | Resolver |
|-------|----------|
| rosa | R1 |
| gray | R2 |
| brown | S2 |
| green | S4 |
| black | S3 |
| red | S1 |



| h) | | | | Datum | Name |
|-------|-------------|----------|------|-------------------------------------|--------|
| g) | | | | Bearb. 11.03.05 | Tamas |
| f) | | | | Gepr. 11.03.05 | Pielok |
| e) | | | | Norm | |
| d) | ÄM 003 / 09 | 15.01.09 | TZ | Kom.-N°: | |
| c) | ÄM 004 / 08 | 16.01.08 | TZ | LTN Servotechnik GmbH | |
| b) | ÄM 176 / 07 | 18.10.07 | TZ | | |
| a) | ÄM 162 / 05 | 23.11.05 | TZ | | |
| Zust. | Änderung | Datum | Name | Datei: M R58WVRE151B24-034-07JX.dwg | |

Housed Resolver

1XP8003-10

Zeichnungs-N°: R58WVRE151B24-034-07JX
 EDV-N°: 5923330

Maßstab
1:1
 O-Format
A4