

DC SERVO MOTORS AND SERVO DRIVES

Accessories

Tacho generators

Mounted directly on the shaft, making them very rigid, the tacho generators designed with high precision give a very good image of instantaneous speed, of zero speed and of rotation direction.

Power-off holding brake

Static use : motor locking in the stopped position
Dynamic use : for emergency braking only

| Associated motor | Tachy | | Brake (24Vdc ±10%) | | | |
|------------------|--------|------------------|----------------------|----------|---|-------------|
| | Type | EMF (V/1000 rpm) | Holding torque (N.m) | | Inertia (kgm ² .10 ⁻⁵) | Weight (kg) |
| | | | at 20°C | at 100°C | | |
| RX1 | TBN206 | 6 | 1 | 0.9 | 1 | 0.4 |
| RX3 | TBN206 | 6 | 1.5 | 1.4 | 1 | 0.18 |
| RX5 | TBN306 | 6 | 6 | 5.5 | 5.3 | 0.45 |
| RX6 | TBN306 | 6 | 12 | 11.5 | 15.7 | 0.9 |
| RS1 | TBN103 | 3 | - | - | - | - |
| RS2 | TBN206 | 6 | 0.6 | 0.55 | 0.2 | 0.2 |
| RS3 / RS4 | TBN206 | 6 | 1.5 | 1.4 | 0.6 | 0.18 |
| RS5 | TBN306 | 6 | 6 | 5.5 | 5.3 | 0.45 |
| RS6 | TBN306 | 6 | 12 | 11.5 | 15.7 | 0.9 |

| Encoder | | | | | |
|---------|------------------------|-----------------|-----------|---|------------|
| Type | Associated motor | Traits par tour | | Inertie (kgm ² .10 ⁻⁵) | Masse (kg) |
| | | standard | option | | |
| K10 | RX1 / RX3 RS1..RS4 | 500 | 250 | 0.03 | 0.07 |
| C4 | RX1 / RX3 RS1..RS4 | 500 | 1000-2000 | 0.23 | 0.2 |
| C6B | RX5 / RX6 RS5 / RS6 | 500-1000 | 2500-5000 | 0.3 | 0.45 |

| Transformer (230V/400V primary) | | |
|---------------------------------|------------------------|-------------|
| Type | Secondary (±5%) | Power (kVA) |
| TT 11133 | 32V single phase | 0.12 |
| TT 11134 | 32V single phase | 0.63 |
| TT 11135 | 48V single phase | 0.63 |
| TT 11136 | 48V three phase | 0.5 |
| TT 11137 | 48V three phase | 1.6 |
| TT 11138 | 48V three phase | 2.5 |
| TT 11144 | 100V three phase | 0.63 |
| TT 11145 | 100V three phase | 1 |
| TT 11139 | 100V three phase | 1.6 |
| TT 11140 | 100V + 48V three phase | 2.5 |
| TT 11141 | 100V + 48V three phase | 4 |
| TT 11115 | 135V three phase | 1 |
| TT 11116 | 135V three phase | 1.6 |
| TT 11117 | 135V three phase | 2.5 |
| TT 11118 | 135V three phase | 4 |
| TT 11119 | 135V three phase | 6.3 |
| TT 11120 | 135V three phase | 10 |

| Choke | | |
|----------|-------------|-----------------|
| Type | Current (A) | Inductance (mH) |
| SF 02031 | 12 | 1 |
| SF 02022 | 16 | 2.5 |
| SF 02023 | 25 | 1.5 |
| SF 02024 | 40 | 1.25 |

| Filter | |
|----------|------------------------------------|
| Type | Description |
| FR 13020 | 20A single/three phase main filter |

Encoder



Particularly compact, the K10 encoder is mounted directly on the shaft, accordingly axial loads on the shaft are not permitted.

The C4 encoder with its hollow shaft and flexible mounting arrangement allows a very compact design

The C6B encoder is well-adapted to highly industrial environment thanks to its reinforced thermal and mechanical protection.

Transformer and choke

The transformer and choke ranges offer a large choice for all applications of the RTS series.