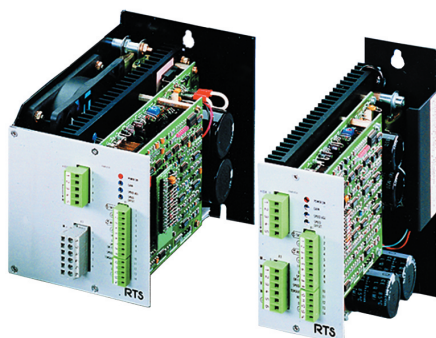


RTS

3 to 40A



DESCRIPTION

The RTS servo amplifiers are designed for driving DC servo motors and are available in numerous ratings up to 6.5 kW.

These products enable speed control of DC motors with or without tachometers.

They integrate main supply, auxiliary supply and braking resistor circuits in a compact package.

**BATTERY, SINGLE-PHASE OR THREE-PHASE
POWER SUPPLY
U-R I OR TACHOMETER CONTROL
INTEGRATED BRAKING RESISTOR
FULL PROTECTING FEATURES
HIGH COMPACTNESS
PANEL OR RACK MOUNTING
3U EUROCARD**

TECHNICAL SPECIFICATIONS

Power supply - single phase, three phase or battery
Operating temperature - 0-40°C (derate by 35% per 10°C >40°C to 60°C max.)
Altitude 1000m (derate by 10% >1000m per 1000m to 4000m max.)
Protection - IP00, IP20 for versions with covering cap.

RTS Characteristics

Type	Supply	Nominal supply voltage ±10%	Nominal output voltage (Vdc)	Nominal output current (A)	Peak output current (A)
3/10-40M	single phase	32Vac	40	3	10
10/20-60	single/three	48Vac	60	10	20
12/24-130T	three phase	100Vac	130	12	24
20/40-130T	three phase	100Vac	130	20	40
16/32-190T	three phase	135Vac	190	16	32
40/80-190T	three phase	150Vac	200	40	80
12/24-..B	battery	24-48Vdc	U battery-2V	12	24
40/80-..B	battery	36-72Vdc	U battery -2V	40	80

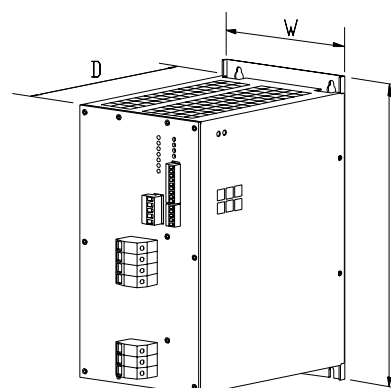
Dimensions

Type	H (mm)	W* (mm)	D (mm)	M (kg)
Panel mounting				
3/10-40M	150	65	212	1
10/20-60 (single/three)	180/150	65	212	1.2
12/24-130T	150	95	212	1.6
20/40-130T	150	121	221	1.9
16/32-190T	150	121	221	1.9
40/80-190T	247	139	205	6
12/24-..B	150	65	212	1
40/80-..B	247	70	205	2.5
Rack mounting				
3/10-40M	130	51	216	0.8
10/20-60 (three phase)	130	51	216	0.8
12/24-130T	130	61	216	0.85
12/24-..B	130	51	216	0.8

* maximum dimensions with covering cap

STANDARDS

CE Marked



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

Poweroff holding brake

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

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 R TS series.

Associated motor	Tachy		Brake		e (24Vdc ±10%)	
	Type	EMF (V/1000 rpm)	Holding torque (N.m) at 20°C at 100°C		Inertia (kgm ² .10 ⁻⁵)	Weight (kg)
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	Pulse per rev.		Inertia (kgm ² .10 ⁻⁵)	Weight (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