

DC servodrives

RTS series

3 to 40 A



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-Rl or tachometer control

Integrated braking resistor

Full protecting features

High compactness

Panel or rack mounting

3U Eurocard

Standards

CE Marked

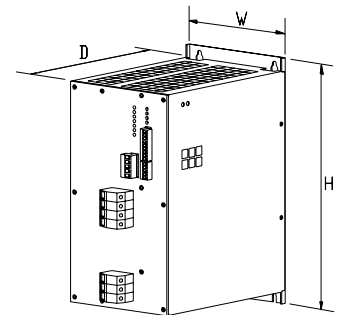
Technical characteristics

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

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



RTS characteristics

Type	Supply	Nominal supply voltage $\pm 10\%$	Nominal output voltage (Vdc)	Nominal output current (A)	Peak output current (A)	Associated transformer (minimum power)
3/10-40M	single phase	32Vac	40	3	10	TT_11133
10/20-60*	single phase	48Vac	60	10	20	TT_11135/36
12/24-130T	three phase	100Vac	130	12	24	TT_11145
20/40-130T	three phase	100Vac	130	20	40	TT_11140
16/32-190T	three phase	135Vac	190	16	32	TT_11117
40/80-190T	three phase	150Vac	200	40	80	TT_11119
12/24-..B	battery	24-48Vdc	U battery-2V	12	24	-
40/80-..B	battery	36-72Vdc	U battery-2V	40	80	-

* single or three phase M or T

Accessories

DC servomotors and servodrives



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

Encoder



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

The C2 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.

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

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

Option choke for AXEM Motor

Type	Induit (mH)	Courant nominal (A)	Borne (mm ²)	Dimensions			Poids (kg)
				Largeur (mm)	Profondeur (mm)	Hauteur (mm)	
SF 02031	1	12	1.5	60	70	63	0.56
SF 02022	2.5	16	4	126	105	115	4.2
SF 02023	1.5	25	10	126	130	135	5.9
SF 02024	1	40	-	126	180	110	8.9