

POWER-Block⁺

REGULATED POWER SUPPLIES

MEROBEL

Torque & Tension

- > Compact & Cost Effective Design
- > Suitable for a wide range of coils
- > Accurate current output control

The most comprehensive range of **CURRENT REGULATED Power Supplies**, based on micro controller technology.



POWERBLOCK2 +

The universal solution, suitable to the majority of MEROBEL's EMP Brakes and Clutches

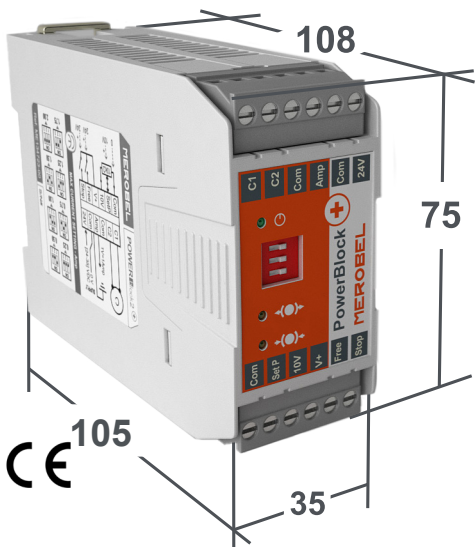
POWERBLOCK4 +

The higher level of output current. Suitable for special coils, or use of devices wired in parallel mode, or other Brake technologies with low impedance coils (i.e. Hysteresis).

POWERBLOCK04 +

Ideal for higher remote control accuracy of Merobel's smallest size EMP Brakes and Clutches or other Brake technologies with high impedance coils (i.e. Hysteresis).

DIMENSIONS

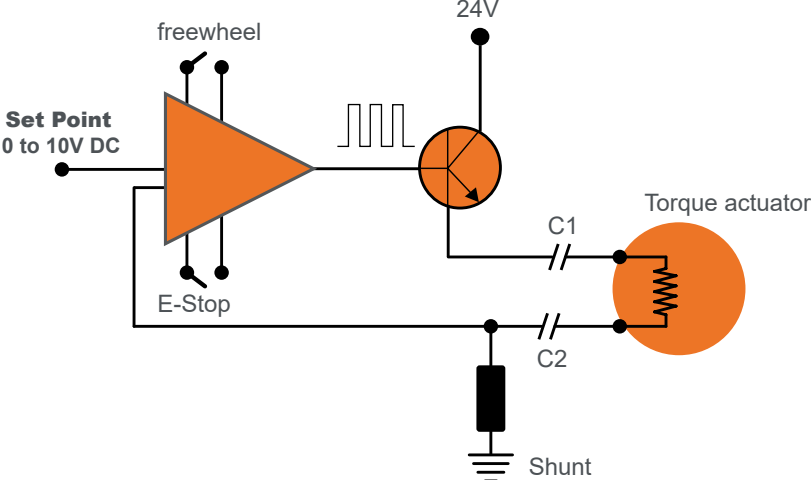
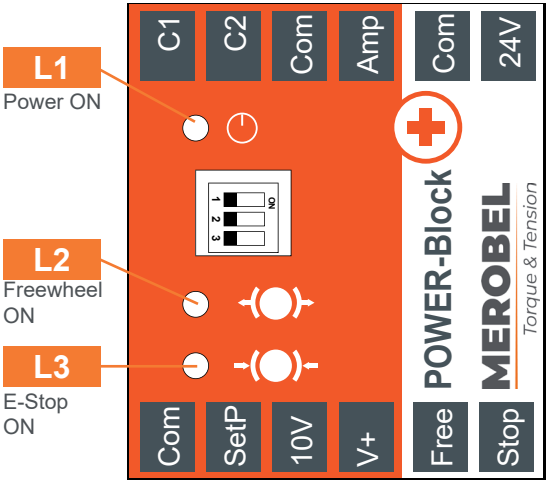


TECHNICAL FEATURES

		Pb2+	Pb4+	Pb04+
Part number	#	ME134723-00	ME134826-00	ME134829-00
Power supply	[V DC]	24 → 35	24 → 30	24 → 35
Max power consumption	[VA]	70	120	20
Output load resistance	[ohm]	5 → 60	1 → 10	20 → 400
Output max current	[A]	2	4	0.4
Remote Setpoint	[V DC]	0 → 10	0 → 10	0 → 10
Ambient temperature	[°C]	+10 ... +40	+10 ... +40	+10 ... +40
Weight	g	120	120	120

SETTINGS

PRINCIPLE

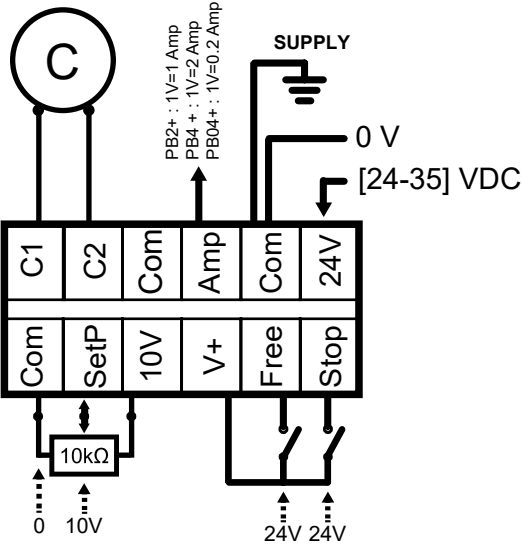


MAX. OUTPUT CURRENT ADJUSTMENT

PB2+		PB4+		PB04+	
0.25A	0.50A	0.50A	1.00A	0.05A	0.10A
0.75A	1.00A	1.50A	2.00A	0.15A	0.20A
1.25A	1.50A	2.50A	3.00A	0.25A	0.30A
1.75A	2.00A	3.50A	4.00A	0.35A	0.40A

Adjust the max current output using the DIP switch positions.
E-Stop value refers to the max current value set with the DIP switches.

CONNECTIONS



C1 / C2	Brake or Clutch Power Supply (C)
Com	0 V
Amp	Real time current equivalent voltage
0 V	Equipotential supply point
24 V	24 V Supply
SetP	Set point input (0 → 10 V DC)
10V	Set point potentiometer supply (10k Ω)
V+	Logic inputs voltage remote control
Free	Logic input “Freewheel” mode (0 Amp)
Stop	Logic input “E-Stop” mode (Max current)* *(max current with DIP switches)