

### TW Brake Unit and Power Supply

- SMD Technologies
- Single phase supply operation
- Dynamic braking (external resistor required).
- Precharge capabilities
- Integrated EMC filter.
- Desaturation protection of braking igbt
- DIN rail mounted
- Free air cooling

#### **Features:**

- Single phase supply 240 +/- 10% Vac
- Nominal Output Voltage 340 Vdc (V<sub>out\_nom</sub>)
- Nominal Output Power up to 1kW (P<sub>nom</sub>)
- Nominal Braking Power up to 1kW
- Peak output power up to 4kW (P<sub>pk</sub>)
- Brake Treshold with hysteresis 375 V (V<sub>brake</sub>)
- Nominal External Resistor 70 ohm (minimum 60 ohm) <sup>1</sup>
- 2 Integrated diagnostic led :  
   green → Power/precharge OK  
   red → Brake section Fault

<sup>1</sup> Supplied with the unit, power capability at 25°C 110W

Terminal Block P1 Phoenix cod. MSTB2,5/10-ST-5,08			
Terminal	Name	Function	Description
1	BRK-	brake	External brake terminal
2	DC-	Motor phase	TW Motor negative power supply <sup>2</sup>
3	DC-	Motor phase	TW Motor negative power supply
4	220Vac	Mains phase	Single phase power supply
5	GND	Earth connection	
6	BRK+	brake	External brake terminal
7	220Vac	Mains phase	Single phase power supply
8	GND	Earth connection	
9	DC+	Motor phase	TW Motor positive power supply
10	DC+	Motor phase	TW Motor positive power supply

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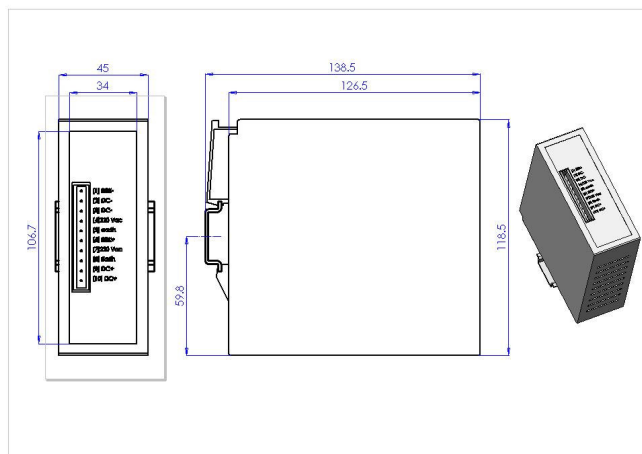
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<sup>2</sup> Parallel with other TW motor power supplies possible up to 1kW