

SANYO DENKI
SANMOTION

Technical drawing of the 2863-5126 terminal block, showing top and side views with dimensions.

Top View Dimensions:

- Overall width: 85.5 ± 0.5
- Mounting hole spacing: 69.6 ± 0.25
- Terminal width: 27 max
- Terminal height: 12 max
- Mounting hole diameter: $4 - \phi 5.6 \pm 0.2$

Side View Dimensions:

- Overall height: 127 ± 1
- Mounting tab width: 20 ± 1
- Terminal height: (50)
- Distance from mounting tab to terminal: 23 max
- Terminal diameter: $\phi 14 - 0.018$
- Terminal length: 73.025 ± 0.025

Table:

MODEL	D
2863-5155	305
2863-5126	800

THE EARTH TERMINAL

MODEL		SM 2863-5155 (SM 2863-5126)
BASIC STEP ANGLE		1.8° ± 0.09°
BIPOLAR CURRENT	(Amp)	4.0
RESISTANCE	(Ohm)	1.0
INDUCTANCE	(mH)	7.9
BIPOLAR HOLDING TORQUE	(Ncm)	920
ROTOR INERTIA	(Kgm ² x 10 ⁻⁷)	4500
THEORETICAL ACCELERATION	(rad x sec. ⁻²)	20500
BACK E.M.F.	(V/Krpm)	241
MASS	(Kg)	4
INTERNATIONAL STANDARDS		UL, CSA
INSULATION VOLTAGE	(V)	250 V _{AC} (350 V _{DC})
PROTECTION DEGREE		IP43-F
LEADS CODE		V

The graph shows the torque-speed characteristics for a 150W motor. The 230V curve (blue) has a maximum torque of 6.8 Nm at 0.95 Krpm. The 115V curve (green) has a maximum torque of 0.5 Nm at 0.95 Krpm. Both curves show a sharp drop in torque after their respective maximum points.

Speed (Krpm)	230 Volt (V_{AC}) Torque (Nm)	115 Volt (V_{AC}) Torque (Nm)
0.1	6.8	6.8
0.3	6.5	6.5
0.6	6.2	6.2
0.9	6.0	5.0
0.95	6.8	0.5
1.2	6.5	3.5
1.5	6.2	2.0
1.8	5.8	1.5
2.1	5.0	1.0
2.4	4.0	0.5
2.7	3.0	0.2
3.0	2.2	0.1

R.T.A. s.r.l. PAVIA (ITALY)	SANYO DENKI CO., Ltd (JAPAN)
-----------------------------	------------------------------



R.T.A. INDIA Pvt
Teerth Business Center 3rd Floor, Unit No. 7,
Block EL-15, MIDC Bhosari Pimpri-Chinchwad,
Pune 411026 (India)
Tel. +91 9422507445
www.rta-india.in