

Technical drawing of a motor assembly, showing front, side, and section views with dimensions and specifications.

Front View Dimensions:

- Top flange diameter: $\varnothing 139$
- Top flange width: $69,5$
- Motor body diameter: $\varnothing 165$ (D Stc. $\varnothing 165$)
- Motor body width: 136 (total height 181)
- Mounting feet: $4 \times 90^\circ$
- Mounting hole diameter: $\varnothing 12$

Side View Dimensions:

- Terminal box width: 320
- Terminal box depth: 139
- Terminal box mounting hole diameter: $\varnothing 115$
- Terminal box mounting hole offset: 40 (from centerline), 8 (from top edge), $3,5$ (from bottom edge)
- Terminal box mounting hole diameter: $\varnothing 130 j6$
- Terminal box mounting hole offset: 40 (from centerline), 8 (from top edge), $3,5$ (from bottom edge)
- Terminal box mounting hole diameter: $\varnothing 200$
- Terminal box mounting hole offset: 40 (from centerline), 8 (from top edge), $3,5$ (from bottom edge)

Section A-A (Scale 1:1):

- Section A-A shows the internal structure of the motor body.
- Section A-A dimensions: $6 h9$ (top flange thickness), $21,5$ (motor body height), $\varnothing 19 j6$ (motor body diameter).

Terminal Box Details:

- Terminal box mounting hole diameter: $\varnothing 115$
- Terminal box mounting hole offset: 40 (from centerline), 8 (from top edge), $3,5$ (from bottom edge)
- Terminal box mounting hole diameter: $\varnothing 130 j6$
- Terminal box mounting hole offset: 40 (from centerline), 8 (from top edge), $3,5$ (from bottom edge)
- Terminal box mounting hole diameter: $\varnothing 200$
- Terminal box mounting hole offset: 40 (from centerline), 8 (from top edge), $3,5$ (from bottom edge)

Specifications:

- 1x M25x1,5 WITH PTC-TRIP: + 1x M20x1,5
- Earthing terminal
- 1x Earthing in terminal box
- 1x External earthing

Table 1: General Information

DRAWN	BW	DATE	22-07-2021	CHK'D		DESCRIPTION	6RD80MB2E3 IM3001	REVISION	
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Table 2: Tolerances and Projections

GEN TOLERANCE OF FORM AND POSITION ON MACHINED PARTS:	GENERAL TOLERANCE ON MACHINED PARTS:	ALL DIMENSIONS IN mm	THIRD ANGLE PROJECTION
0.5 - 3 ± 0.1	LINEAR DIM. ACC. DIN ISO 2768-1 m	> 120 - 400 ± 0.5	THIRD ANGLE PROJECTION
> 3 - 6 ± 0.1		> 400 - 1000 ± 0.8	
> 6 - 30 ± 0.2		> 1000 - 2000 ± 1.2	
> 30 - 120 ± 0.3		> 2000 - 4000 ± 2	

Table 3: Motor and Mounting Details

MOTOR TYPE	6RD80MB2E3	COOLING	IC411	PAPER SIZE	A3
MOUNTING	IM3001 / FF165	PROTECTION	Ex db/eb	SCALE:	1:2
				SHEET	1 OF 1