

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

Front View Dimensions:

- Overall width: 139
- Top flange width: 69,5
- Mounting flange diameter: $\varnothing 115$
- Mounting flange hole diameter: $\varnothing 10$
- Flange thickness: 100
- Overall height: 145
- Flange hole spacing: 4x 90°

Side View Dimensions:

- Overall width: ± 247
- Top flange width: 139
- Top flange hole diameter: $\varnothing 95$
- Top flange thickness: 23
- Top flange hole offset: 6,5
- Top flange hole diameter: 3
- Mounting flange diameter: $\varnothing 140$
- Mounting flange hole diameter: $\varnothing 95$
- Mounting flange hole offset: 4
- Mounting flange hole diameter: $\varnothing 11$
- Mounting flange hole offset: 4 h9
- Mounting flange hole diameter: 12,5
- Mounting flange hole offset: $\varnothing 11$

Section A-A (Scale 2:1):

- Section A-A shows the internal structure of the motor, including the stator and rotor.
- Dimensions: 4 h9, 12,5, $\varnothing 11$.

Specifications:

- DE: M4 DIN 332
- 1x M25x1,5 WITH PTC-TRIP: + 1x M20x1,5
- Earthing terminal
- 1x Earthing in terminal box
- 1x External earthing

Table 1: General Information

Drawn	Rev	Description	Revision
BW	1	6RD63B4E2 IM3001	

Table 2: Motor Specifications

Motor Type	Cooling	Paper Size
6RD63B4E2	IC411	A3

Table 3: Mounting and Protection

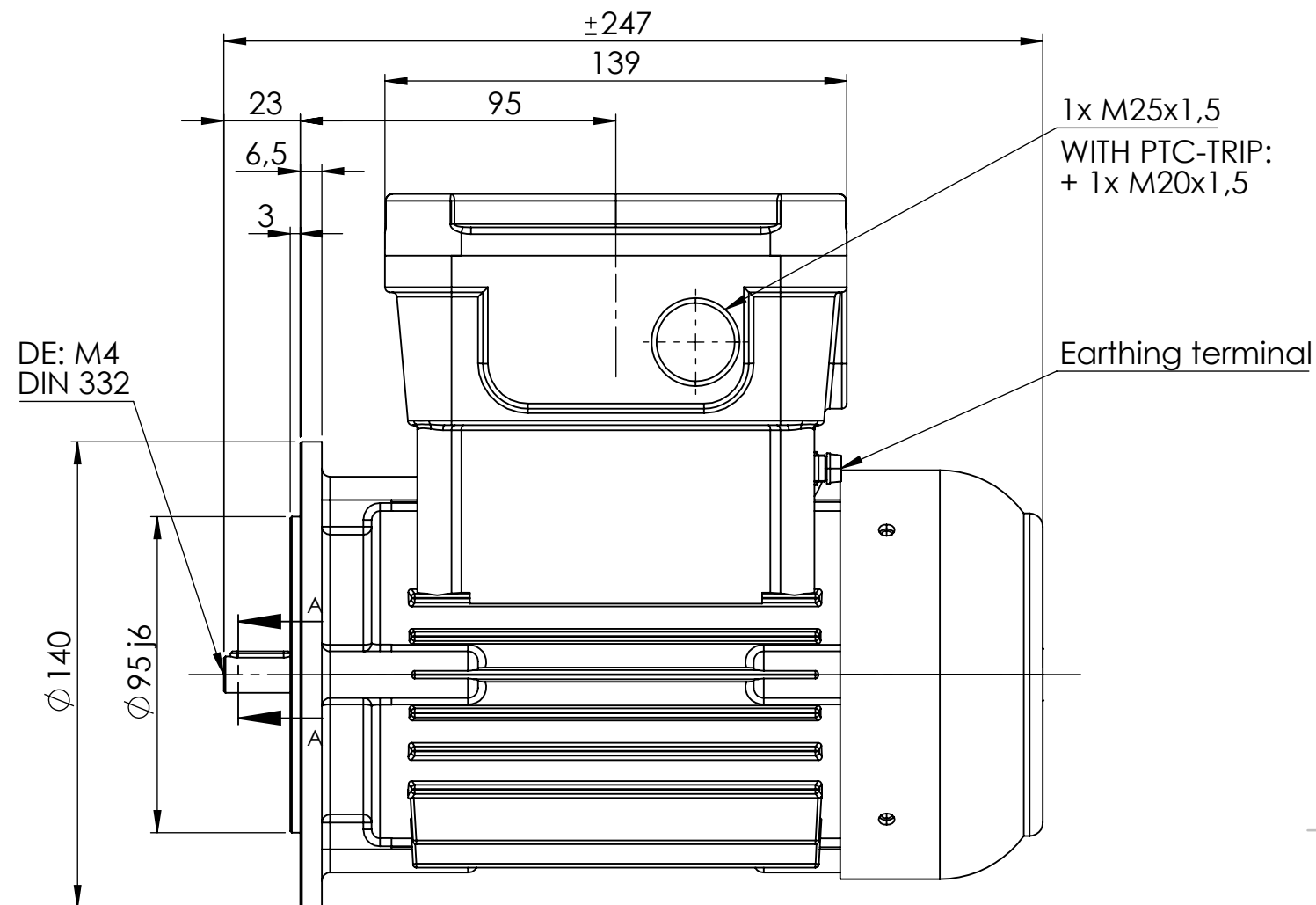
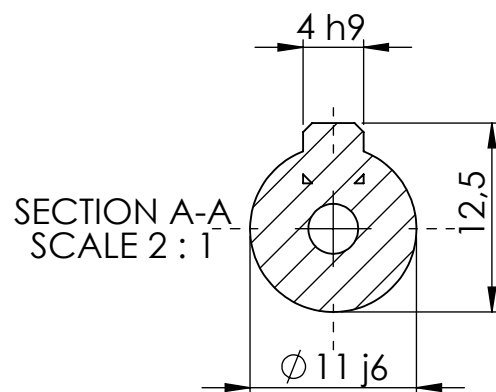
Mounting	Protection	Scale
IM3001 / FF115	Ex db/eb	1:2

Table 4: Tolerances and Standards

General Tolerance of Form and Position on Machined Parts	Linear Dim. Acc. DIN ISO 2768-1 m	ALL DIMENSIONS IN mm ACC. IEC/EN 60072-1	THIRD ANGLE PROJECTION
0.5 - 3	± 0.1	> 120 - 400	± 0.5
> 3 - 6	± 0.1	> 400 - 1000	± 0.8
> 6 - 30	± 0.2	> 1000 - 2000	± 1.2
> 30 - 120	± 0.3	> 2000 - 4000	± 2

Table 5: Class H - DIN ISO 2768-2

Class H - DIN ISO 2768-2
CLASS H - DIN ISO 2768-2



DRAWING NUMBER: 6RD63B4E2 IM3001	REVISION	
DESCRIPTION: Outline drawing		
OPTIONS:		
DATE 30-09-2021		
CHK'D	ROTOR BV Tel: +31 (0) 545-464640 Mors 1-5 E-mail: 7151 MX Eibergen NL sales.nl@regalrexnord.com	
DATE	GENERAL TOLERANCE ON MACHINED PARTS: LINEAR DIM. ACC. DIN ISO 2768-1 m	ALL DIMENSIONS IN mm ACC. IEC/EN 60072-1
GEN TOLERANCE OF FORM AND POSITION ON MACHINED PARTS: CLASS H - DIN ISO 2768-2	0.5 - 3 ± 0.1 > 3 - 6 ± 0.1 > 6 - 30 ± 0.2 > 30 - 120 ± 0.3	> 120 - 400 ± 0.5 > 400 - 1000 ± 0.8 > 1000 - 2000 ± 1.2 > 2000 - 4000 ± 2
		
MOTOR TYPE 6RD63B4E2	COOLING IC411	PAPER SIZE A3
MOUNTING IM3001 / FF115	PROTECTION Ex db/eb	SCALE: 1:2 SHEET 1 OF 1