

Tolerances Unless Otherwise Stated			Tolerances of Angle (Shortside of Angle)			Surface Finish	Dimension	Tolerance
up to 6	over 6 up to 30	over 30 up to 120	up to 10	over 10 up to 50	over 50 up to 100			
±0.1	±0.2	±0.3	±5'	±30'	±20'			

30mm

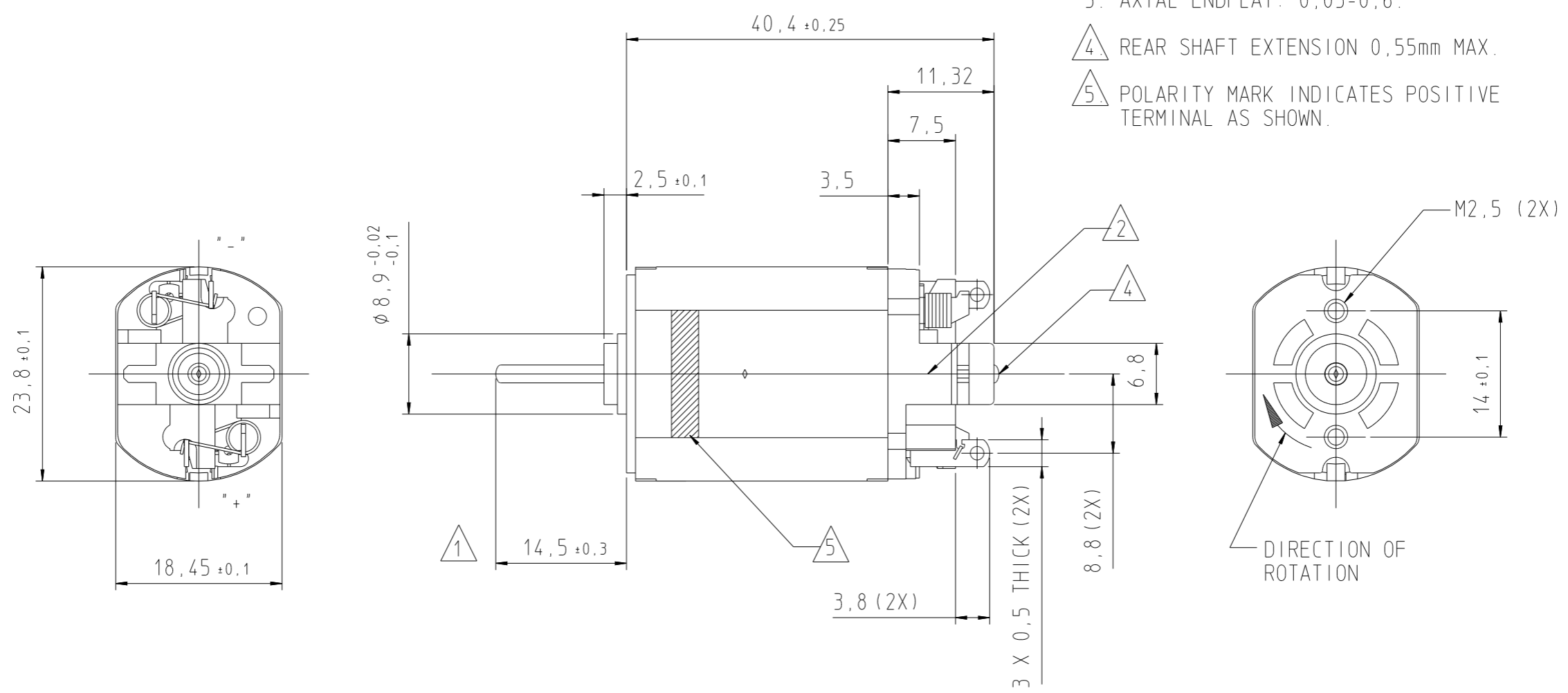
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NOTES:

- 1 MEASURE THIS DIMENSION WITH SHAFT PUSHED TOWARDS BRUSH END OF MOTOR.
- 2 STAMP WITH PRODUCTION DAY AND YEAR.
- 3 AXIAL ENDPLAY: 0,05-0,6.
- 4 REAR SHAFT EXTENSION 0,55mm MAX.
- 5 POLARITY MARK INDICATES POSITIVE TERMINAL AS SHOWN.



-	038
-	030
PI	KN

		ISO-E		N/A		Internal	
				Material Number		B	X
				Date		07MAR95	Substituted For
				Drawn		HERRING	-
				Check		JEH	Replaced By
				Appr.		-	-
				Title			Scale
				MOTOR DIMENSIONS			2:1
				Exper. No.			-
				Drawing Number			Sheet
				7.27.838.KN (3)			1
				16.25			of
				-			1
DI	Change Only With CAD	Date	Name	Use			

1			2			3				
TOLERANCES UNLESS OTHERWISE STATED			FILLET RADIUS AND CHAMFER HEIGHT			SURFACE FINISH			DIMENSION	TOLERANCE
UP TO 6	OVER 6 UP TO 30	OVER 30 UP TO 120	UP TO 3	OVER 3 UP TO 6	OVER 6 UP TO 30	$\sqrt{R_z}$ -			-	-
±0.1	±0.2	±0.3	±0.2	±0.5	±1				-	-

SUPPLIER MUST CONFORM TO QAR-200 INCLUDING QAR-200 SPECIAL QUALITY REQUIREMENTS (SQR).

CHARACTERISTICS IDENTIFIED BY THIS SYMBOL HAVE SPECIAL QUALITY REQUIREMENTS AS IDENTIFIED BY THE ACCOMPANYING QAR-200 SPECIAL QUALITY REQUIREMENT DOCUMENT. NOT APPLICABLE

PARAMETERS IDENTIFIED BY THIS SYMBOL ARE SPECIAL CHARACTERISTICS.

1.0 GENERAL

THE FOLLOWING VALUES ARE VALID AT AMBIENT TEMPERATURES OF 20 TO 25°C. THE MEASUREMENTS SHALL BE DONE FAST ENOUGH TO EXCLUDE ANY HEATING EFFECTS. THE MEASUREMENTS SHALL BE TAKEN WITH MOTOR SHAFT IN A HORIZONTAL POSITION.

2.0 MECHANICAL DIMENSIONS

- 2.1 DIMENSIONS ACCORDING TO DRAWING 7.27.838.KN
- 2.2 DIRECTION OF ROTATION ACCORDING TO DRAWING 7.27.838.KN
- 2.3 AXIAL AND RADIAL PLAY ACCORDING TO DRAWING 7.27.838.KN
- 2.4 MOTOR SURFACE AND SHAFT TO BE FREE OF CORROSION

3.0 MOTOR CHARACTERISTICS

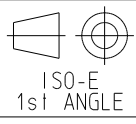
- 3.1 NO LOAD CONDITION
 - Vt = 12.0 VDC
 - No = 5800 RPM ± 10%
 - Io = 85 mA MAX
- 3.2 LOAD CONDITION
 - Vt = 12.0 VDC
 - Tl = 0.30 Ncm
 - Nl = 4510 RPM ± 15%
 - Il = 0.26 mA MAX

3.3 HI-POT TEST

MOTOR MUST WITHSTAND 150 VRMS BETWEEN MOTOR HOUSING AND ANY TERMINAL FOR 1 SECOND WITHOUT BREAKDOWN.

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MATERIAL		INTERNAL	
-		B	X
MATERIAL NUMBER		X	X
BUEHLER MOTOR	DATE	10MAY00	SUBSTITUTED FOR
INC.	DRAWN	HERRING	-
CARY, NC 27512	CHECKED	JEH	REPLACED BY
	APPROVAL	-	-

TITLE		A4	
MOTOR SPECIFICATIONS		SCALE	SHEET
DRAWING NUMBER		N/A	1
7.13.839.KN			OF 1
2	REDRAWN PER ECO 4113-10	10MAY00	JEH
EXPERIMENTAL NUMBER		EX.XXX.XXXXX	
DI	CHANGE ONLY WITH CAD	DATE	NAME
		USE	16.25

30mm

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