3

3

MOTOR SPECIFICATIONS:				
NEMA 11	ROTOR INERTIA (g-cm ² /oz-in ²):	8.97/4.9E-02 NOM		
±0.09	INSULATION CLASS:	B (130°C)		
1.8	BEARINGS:	ABEC 3, DOUBLE SHIELDED		
15 - 30	APPROVALS:	CE, RoHS		
	NEMA 11 ±0.09 1.8	NEMA 11ROTOR INERTIA (g-cm²/oz-in²):±0.09INSULATION CLASS:1.8BEARINGS:		

	REVISIONS					
E	CO #	REV.	DESCRIPTION	DATE	APPROVED	
	7935	А	INITIAL RELEASE	7/2/18	J. KORDIK	
	8161	В	REVISE FROM L1 TO L2	3/8/19	J. KORDIK	
	8758	С	REDRAWN IN SOLIDWORKS	4/18/22	L. LIU	

GEARMOTOR SPECIFICATIONS:				
TEMP. RISE (°C):	80 MAX	TOTAL WEIGHT (±10g/±0.35oz):	169/5.96	
OPERATING AMB. TEMP. RANGE (°C):	0 to +85	RELATIVE HUMIDITY RANGE (%):	90 NON-CONDENSING	
STORAGE TEMP. RANGE (°C):	0 to +40			

GEARHEAD SPECIFICATIONS:				
RATIO: 4:1 EFFICIENCY (%): 90				
MAX TORQUE CONTINUOUS (Nm/oz-in):	0.5/70.8	BACKLASH (°):	≤1.2	
MAX TORQUE (Nm/oz-in):	0.8/113.3	MAX RADIAL LOAD (N/lbf):	≤20/4.49	
MAX INPUT SPEED (RPM):	6000	MAX AXIAL LOAD (N/lbf):	≤20/4.49	

NOTES, UNLESS OTHER WISE SPECIFIED:

4

4

В

Α

- THIS ASSEMBLY IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU ROHS DIRECTIVE. 1.
- 2. ALL SPECIFICATIONS AND OPERATING INSTRUCTIONS CAN BE FOUND AT APPLIED-MOTION.COM.

CONNECTOR FOR POWER, I/O AND COMMUNICATION. USE INCLUDED CABLE 3004-319. 3

Sold & Serviced By:

2



AAA Applied	THIRD ANGLE PROJECTION		I
Motion	UNLESS OTHERWISE SPECIFIED:	DRAWN	Υ.
	TOLERANCES: - ANGULAR: ± 0.5 - ONE DECIMAL PLACE: ± 0.25 - TWO DECIMAL PLACES: ± 0.13	PRE.CHECK	
PROPRIETARY AND CONFIDENTIAL HE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APPLIED MOTION PRODUCTS. ANY PRODUCTION IN PART OR AS A WHOLE UTHOUT THE WRITTEN PERMISSION OF APPLIED MOTION PRODUCTS IS		PRE.APPROVAL	
		FIN.CHECK	C.BR
		SAP: 4696351005842	
	FINISH	ALT DWG. NO.:	
PROHIBITED.	do not scale drawing	ALT SAP:	

2

REVISIONS



В

Α

NAME	DATE	INTEGRATED STEP-			
(. LAPNET	4/18/22				
		SERVO MOTOR W/			
		GEARHEAD			
BREUNINGER	4/18/22				
42		- SIZE DWG. NO. REV			
		B	TSM11Q-1F	RM-G004	С
		SCALE: 2:1 SHEET 1 OF 2			
	1				

	4	3	2
В	3 2X 29 MAX 2.1-		$1 + 1.5\pm0.15$ $12^{+0.5} + 12^{+0.5} + 0.5 + 0.025$ $0 + 16^{-0.025} + 0.5 +$
A	GEARHEAD MATERIALS: GEARTRAIN: Y100 (1144) STEEL HOUSING: 304 STAINLESS STEEL INPUT/OUTPUT FLANGE: LY12 ALUMINUM OUTPUT SHAFT: 40Cr STEEL PINION: Y100 (1144) STEEL	1 43 2 46 3 42	PART NUMBER PART NUMBER 32401001498 28PH004.00-L2 96351002073 TSM11Q-1RM 94404001453 91292A012 OR EQUIVALENT M2.5X8 VARTION PRODUCTS Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Preducts Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Products Image: Applied Motion Preducts Image: Applied Motion Products </td
	4	3	2

