

Front view and mounting

□ 56.4

□ 47.14±0.2

4-Ø5^{+0.5}₀

3

Side view

Side view of a mechanical part. The part has a total length of 100 ± 1 . The left end features a hole with a diameter of $\varnothing 6.35_{-0.013}^0$ and a depth of 38.1 ± 0.025 . A feature 'A' is located on the left side. The top surface has a width of 20.6 ± 1 and a thickness of 1.6 . The right end has a width of 20.4_{-1}^{+2} and a feature 'Y' is indicated. A feature 'A' is also located on the right side. The bottom surface has a width of 100 ± 1 and a feature 'A' is indicated.

Rear view

57

69.6

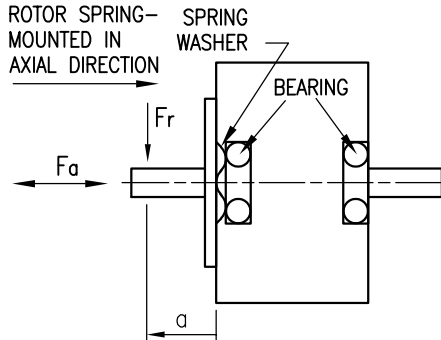
The rear view shows a square component with a width of 57 and a height of 69.6. It features a central rectangular cutout with a circular hole on the left and a rectangular slot on the right. There are four circular mounting holes: one in the top-left corner, one in the top-right corner, one in the bottom-left corner, and one in the bottom-right corner. A vertical dashed line and a horizontal dashed line intersect at the center of the component.

Y view

X1 X2 X3

4 4 1 1

The diagram shows the Y-view of the PCB layout. It includes dimensions for the width of the components: 4 for the first two components, 1 for the third, and 1 for the fourth. The layout is divided into three sections labeled X1, X2, and X3. The components are arranged in a row, with the first two components having a width of 4, the third having a width of 1, and the fourth having a width of 1. The layout is shown in a perspective view, with a dashed line indicating the Y-axis.

CONNECTION		BIPOLAR		PERMISSIBLE RADIAL+AXIAL FORCE				X1, JST GH-4		X2, Phoenix MCV-10			
SPECIFICATION								PIN No.		Function			
VOLTAGE (VDC)		12 TO 48						1		+UB_LOGIC(24V)			
AMPS/PHASE(A)		4.2						2		CAN+			
HOLDING TORQUE (Nm) [lb-in]		1.87 [16.55]						3		CAN-			
DETENT TORQUE (Nm) [lb-in]		0.068 [0.602]						4		GND			
STEP ANGLE (°)±ACCURACY		1.8±5% TO MICROSTEP				X3, Phoenix FMC-02		PIN No.		Function			
WEIGHT (Kg) [lb]		1.1[2.43]				1		+VCC(12-48V)		2		GND	
OVERTEMPERATURE PROTECTION (ELECTRONICS): 75°C				AXIAL-FORCE Fa (N)		Fa=15							
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F] (HIGHER TEMPERATURE REDUCES DUTY CYCLE)				DISTANCE a (mm)		20							
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)				RADIAL-FORCE Fr (N)		52							
INSULATION CLASS B 130° [266°F]						AXIAL		RADIAL					
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)				SHAFT PLAY (mm)		0.2Max		0.02					
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)				AT LOAD MAX: (N)		200		4.5					
						APVD		G.M.		16.05.14		PLUG&DRIVE MOTOR	
3		HOLE ø5 ADD TOLERANCE +0.5_0				CHKD							
2		NEW HOLDING TORQUE		11.10.16		GYQ		16.05.14		DWG.NO		PD4-C5918L4204-E-08 -CYL	
REV		DESCRIPTION		DATE		DRN		SIGNATURE		DATE			
				Surface specification DIN ISO 1302		General tolerances DIN ISO 2768-CH		Work piece edge DIN ISO 13715					