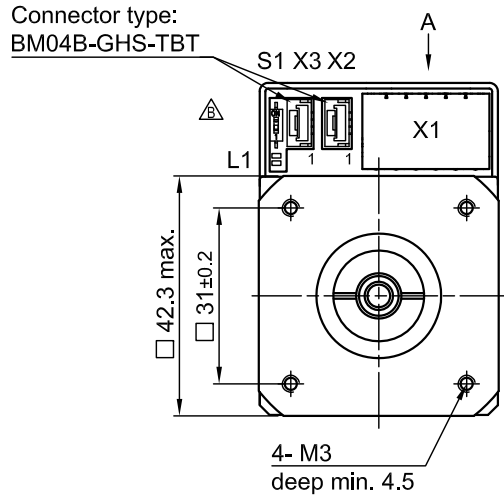
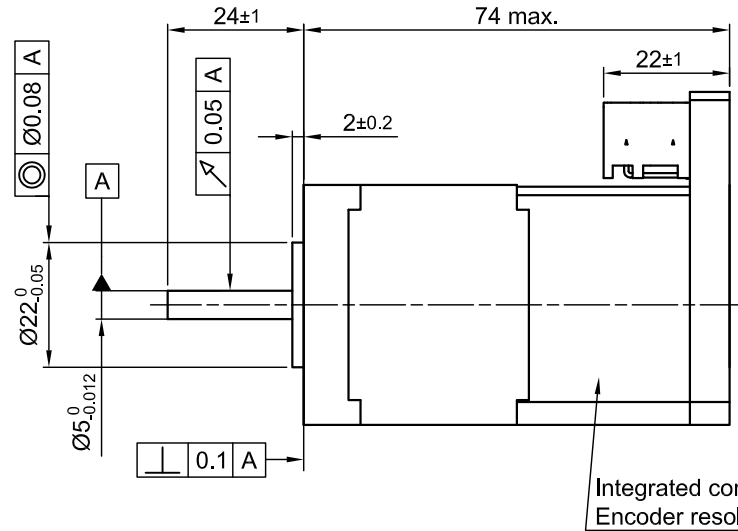


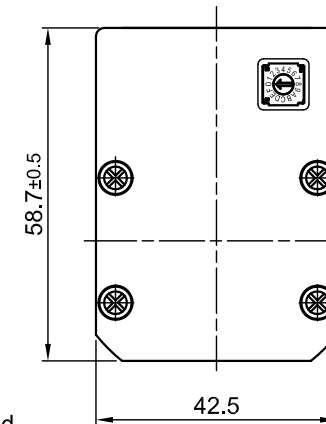
Front view and mounting



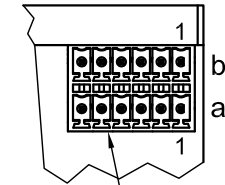
Side view



Rear view



DETAIL A



Integrated controller and Encoder resolution: 1024 incr./rev.

Connector type: MCDN 1.5/6-G1-3.5 P26THR

SPECIFICATION		CONNECTION	BIPOLAR	PERMISSIBLE RADIAL+AXIAL FORCE		X1/Phoenix MINI COMBICON Double-Level		X2 AND X3/JST GH 4 POLE																																					
VOLTAGE (VDC)		12 TO 48				<table border="1"> <thead> <tr> <th>Pin No.</th> <th>Function</th> </tr> </thead> <tbody> <tr><td>a1</td><td>GND</td></tr> <tr><td>a2</td><td>+UB (12-48V)</td></tr> <tr><td>a3</td><td>INPUT 1 (5V/24V)</td></tr> <tr><td>a4</td><td>INPUT 2 (5V/24V)</td></tr> <tr><td>a5</td><td>INPUT 3 (5V/24V)</td></tr> <tr><td>a6</td><td>INPUT 4 (5V/24V)</td></tr> <tr><td>b1</td><td>GND</td></tr> <tr><td>b2</td><td>+10V VOLTAGE SUPPLY</td></tr> <tr><td>b3</td><td>ANALOG INPUT (0-10V/0-20mA)</td></tr> <tr><td>b4</td><td>OUTPUT 1 (open drain)</td></tr> <tr><td>b5</td><td>OUTPUT 2 (open drain)</td></tr> <tr><td>b6</td><td>OUTPUT 3 (open drain)</td></tr> </tbody> </table>		Pin No.	Function	a1	GND	a2	+UB (12-48V)	a3	INPUT 1 (5V/24V)	a4	INPUT 2 (5V/24V)	a5	INPUT 3 (5V/24V)	a6	INPUT 4 (5V/24V)	b1	GND	b2	+10V VOLTAGE SUPPLY	b3	ANALOG INPUT (0-10V/0-20mA)	b4	OUTPUT 1 (open drain)	b5	OUTPUT 2 (open drain)	b6	OUTPUT 3 (open drain)	<table border="1"> <thead> <tr> <th>Pin No.</th> <th>Function</th> </tr> </thead> <tbody> <tr><td>1</td><td>+UB_LOGIC(24V)</td></tr> <tr><td>2</td><td>CAN+</td></tr> <tr><td>3</td><td>CAN-</td></tr> <tr><td>4</td><td>GND</td></tr> </tbody> </table>		Pin No.	Function	1	+UB_LOGIC(24V)	2	CAN+	3	CAN-	4	GND
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AMPS/PHASE		1.8A		AXIAL-FORCE F_a (N)		$F_a=7$																																							
HOLDING TORQUE (Nm) [lb-in]		0.5 [4.425]		DISTANCE a (mm)		20																																							
DETENT TORQUE (Nm) [lb-in]		0.022 [0.195]		RADIAL-FORCE F_r (N)		20																																							
STEP ANGLE (°) ± ACCURACY		1.8±5% TO MICROSTEP		SHAFT PLAY (mm)		AXIAL: 0.1 RADIAL: 0.02																																							
WEIGHT (Kg) [lb]		0.5 [1.1]		AT LOAD MAX: (N)		30 4.5																																							
OVERTEMPERATURE PROTECTION (ELECTRONICS): 75°C																																													
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]																																													
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)																																													
INSULATION CLASS B 130° [266°F]																																													
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)																																													
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)																																													
						APVD		X.W.		03.11.14																																			
B -						08.12.15		A.S.		PLUG&DRIVE MOTOR DWG.NO PD2-C4118L1804-E-08																																			
A -				02.07.15		A.S.		CHKD																																					
REV				DESCRIPTION		DATE		DRN		03.11.14																																			
				Surface specification DIN ISO 1302		General tolerances DIN ISO 2768- cH		Work piece edge DIN ISO 13715		SIGNATURE																																			
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