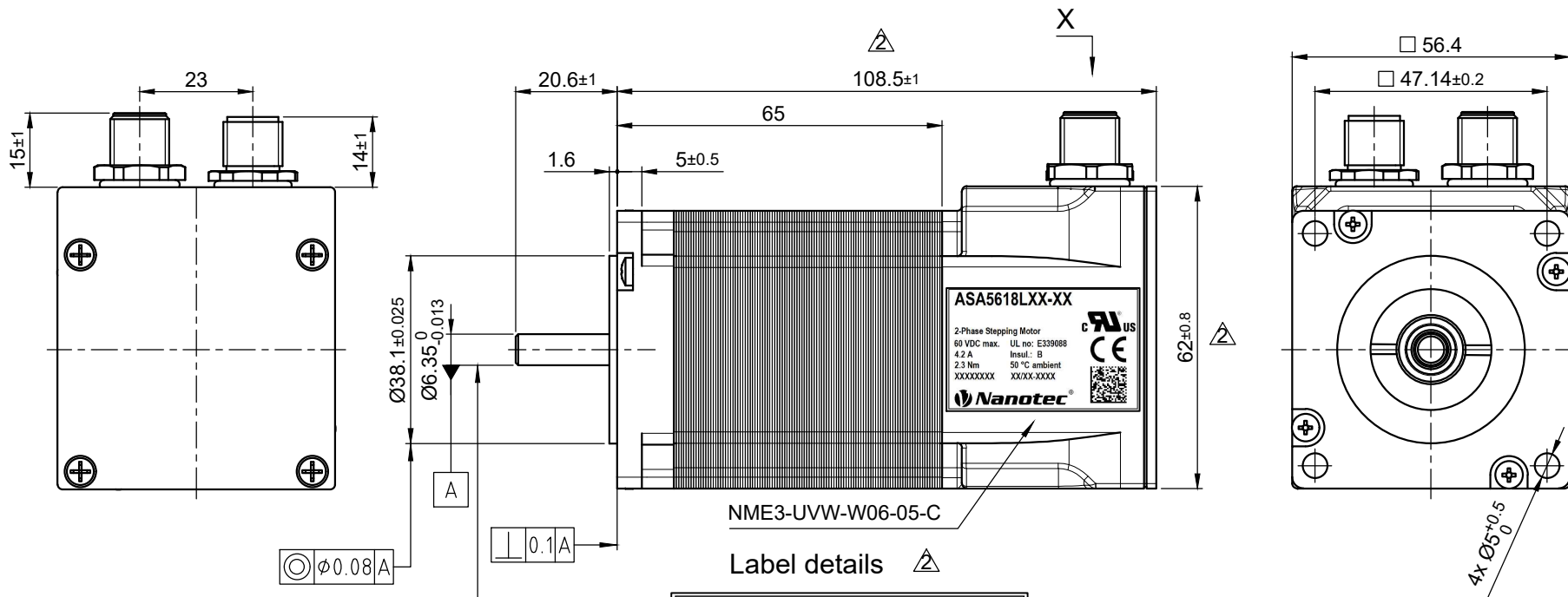
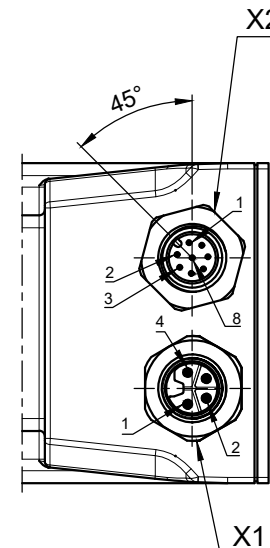




View X



Label details



Lot No.



X1 MOTOR	
M12 / 4-Pole / L-Coding / male	
Pin No.	Function
1	A\
2	A
3	B
4	B\
cable shield on housing	

X2 ENCODER	
M12 / 8-Pole / A-Coding / male	
Pin No.	Function
1	A
2	A\
3	B
4	B\
5	GND
6	I\
7	I
8	+UB
cable shield on housing	

MOTOR SPECIFICATION		
Nominal Operating Voltage	V DC	48
Max. Operating Voltage	V DC	60
Current per Winding	A	4.2
Resistance per Phase (25°C)	±15% Ω	0.55
Inductance per Phase (1 kHz)	±20% mH	2.1
Holding Torque	Nm	2.3
Step Angle	±5% °	1.8
Rotor Inertia	kg m ²	48 x 10 ⁻⁶

GENERAL MOTOR SPECIFICATION		
Ambient Temperature	°C	-10 ... 50
Max. Ambient Humidity (non condensing)	%	85
Protection Class (except shaft outlet)		IP65
Protection Class (shaft outlet)		IP54
Housing color		black

ENCODER SPECIFICATION			
Operating Voltage	±10% V DC	5	
Resolution	cpr	4096	
Resolution (cpr with quadrature)	ppr	16384	
No. of Channels		3	
Interface	UVW		
Signal Type	incremental		
Index / Line Driver	yes / yes		

A-Shaft		Preload Spring		B-Shaft	
Fa		Fr		ax	
Max. Axial Force Fa		N		10	
Max. Radial Force Fr (a1 = 10 mm)		N		28	
Axial Play Fa = 4.0 N		mm		0.08	
Radial Play Fr = 4.0 N		mm		0.02	

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715				Weight ±10% 1.3		kg	
					Date	Name	ASA5618L42-E3						
04	encoder data	Kolev_I	20.11.2024	Drawn	24.10.2023	Schneid_A							
03	housing color	Kolev_I	21.08.2024	Reviewed	09.11.2023	Sejdini_B							
02	revise drawing	Kolev_I	16.02.2024	Released	09.11.2023	Sejdini_B							
01	revise drawing	Schneid_A	15.11.2023				20002130					A4 Page 1	
REV	Rev. Text	Name	Date										
							State: Released		Rev: 04		CONFIDENTIAL		