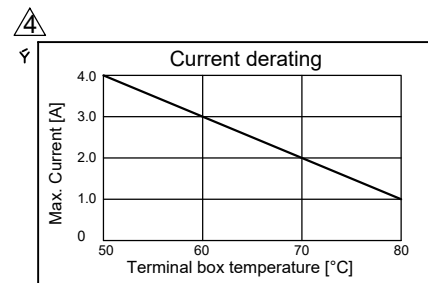


Temperature on marked area must not exceed 80°C.
From 50°C to 80°C follow derating curve.

MOTOR SPECIFICATION		
Voltage	V DC	2.12
Current per Winding	A	2.83 *
Resistance per Phase (25°C)	±15% Ω	0.75
Inductance per Phase (1 kHz)	±20% mH	2.6
Holding Torque	Nm	0.99
Step Angle	±5% °	1.8
Rotor Inertia	kg m ²	23 x 10 ⁻⁶

GENERAL MOTOR SPECIFICATION		
Ambient Temperature	°C	-10 ... 50 *
Max. Temperature Rise (at standstill - 2 phases energized)	°C	80 *
Max. Ambient Humidity (non condensing)	%	85
Insulation Class		B
Insulation Resistance	MΩ	100
Dielectric Strength (for 1 min - coil to case)	V AC	500
Protection Class		IP65



A-Shaft		Preload Spring		B-Shaft	
Max. Axial Force F_a	N	15			
Max. Radial Force F_r ($a_1 = 5$ mm)	N	130			
Max. Radial Force F_r ($a_2 = 20$ mm)	N	52			
Axial Play	$F_a = 4.5$ N mm	0.08			
Radial Play	$F_r = 4.5$ N mm	0.02			



M12-5 pole Motor	
NO.	ASSIGNMENT
1	A\
2	A
3	B
4	B\
5	HOUSING

CABLE MOTOR:
ZK-M12-5-2m(5m)
STRAIGHT OR 90° ANGLED

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715	Weight: ~0.8 kg
			Date	Name
			Drawn	04.12.2017
			Reviewed	Import
			Released	----
06	change tol. diameter 5	Schneid_A	09.06.2022	
REV	Rev. Text	Name	Date	
Nanotec PLUG & DRIVE				
AS5918S2804				
02000137				
State: Released		Rev: 06		CONFIDENTIAL
				A4 Page 1