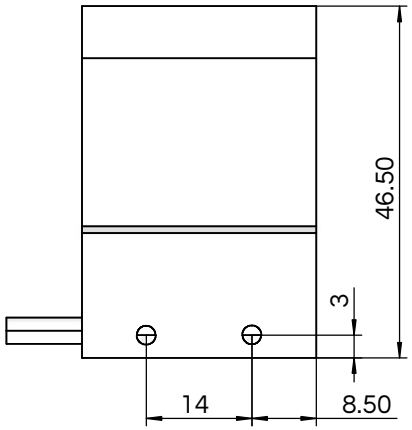
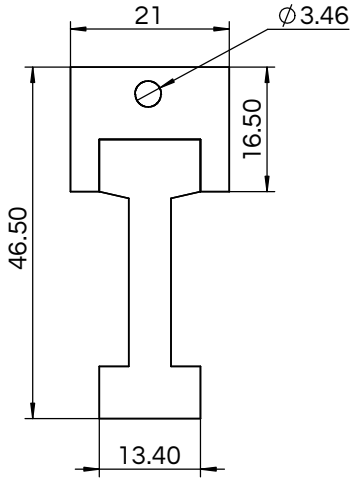
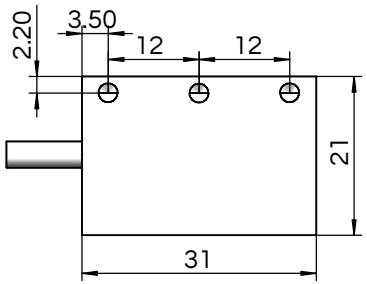
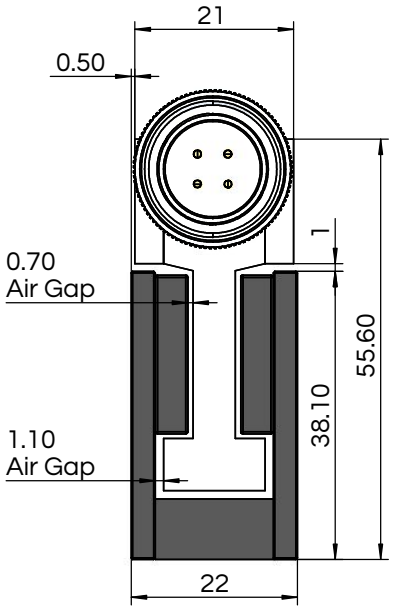






Motor Assembly



Technical data	Unit	TUM2-S1 Series
Continuous force	N	9.5
Peak force	N	47.5
Force constant ±10%	N/Arms	5.9
Back EMF constant	Vpeak/(m/s)	4.9
Motor constant at 25°C	N/Sqrt(w)	2.4
Resistance at 25°C	Ω	3
Inductance ±35%	mH	0.7
Electrical time constant	ms	0.2
Continuous current at 100°C	Arms	1.6
Peak current	Arms	8
Continuous power dissipation at 100°C	W	15.4
Max. winding temperature	°C	100
Thermal dissipation constant	W/°C	0.2
Max. DC bus voltage	V	310
Magnetic period	mm	30
Attraction force	kN	0
Weight of forcer	kg	0.06
Length of forcer	mm	31
Unit mass of stator	kg/m	3.93
Insulation class	-	B
Protection class	-	IP00
Operating temperature	°C	0 to 45
Storage temperature	°C	-15 to 75

Note:
1.Specifications are measured at an ambient temperature of 25°C and depend on the heat dissipation conditions.
2.Resistance is measured with DC current and includes a standard cable length of 0.5 m.
3.Inductance is measured at a frequency of 1 kHz.
4.Specifications are subject to change without prior notice.
5.Standard cable lengths: 0.5 m and 3 m. Custom lengths on request.

Wiring Definition	Installation Instructions	Maintenance Instructions

ITEM	DATE	MODIFIED	DESCRIPTION	APPD

SCALE	UNIT		Model	TUM2-S1	
1:X	mm		Desc	Forcer unit	
GENERAL TOLERANCE			Surface		DRN Tang
Up to 6	6 to 30	30 to 120	120 to 300	300 to 600	DWG.NO		CHK Chen
±0.1	±0.2	±0.3	±0.4	±0.5	Sheet	1-1	APPD Le
TKOOLLE MOTION CONTROL INTERNATIONAL CO.,LIMITED					DATE	17-Jul-25	