

## GETRIEBE-SCHRITTMOTOR PM-SCHRITTMOTOR BASIS

micro  
motors s.r.l.

### SM138-35S-Serie

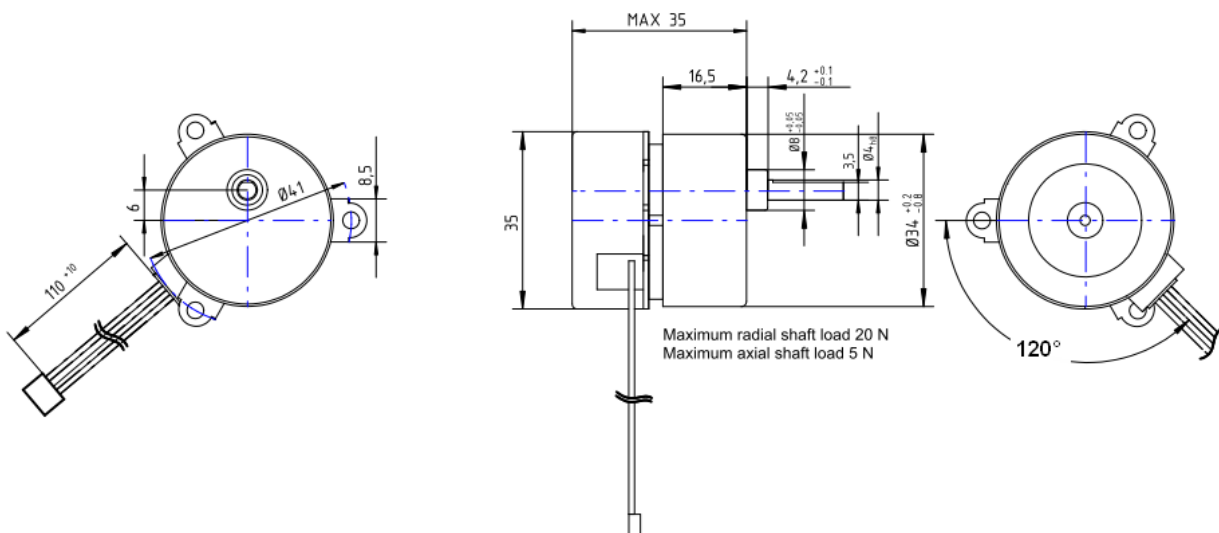
- ▶ PM-Getriebe-Schrittmotor Ø 35mm
- ▶ Bis 500 mNm Dauermoment
- ▶ Sehr flache Bauform
- ▶ Stabile Zahnräder
- ▶ Metallgetriebe
- ▶ Sonderwelle und Sonderwicklung auf Anfrage
- ▶ Sonderkabel mit Stecker auf Anfrage



### SM138-35S-Serie Baulänge von 35 mm

Step Angle	7.5°	Full Step	Pinion made by	Steel	
Number of Phase	2	BIPOLAR	Radial Shaft Load	20	N
Insulation Resistance	100 Ω	(400V DC)	Axial Shaft Load	5	N
Insulation Class	Class	B	Max. allow Torque	500	mNm
Voltage Driver	8-36V	V	Mass	100	g

Short-Motor 35S48 Version	Ratio (x:1)	Holding Torque mNm	*Step Angle (°)	Resistance Ohm	Current mA	Inductance mH
SM138-35S-12	12.25	400	0.61	7	500	10
SM138-35S-21	21.14	400	0.354	7	500	10
SM138-35S-36	35.73	400	0.21	7	500	10
SM138-35S-72	71.54	400	0.105	7	500	10
SM138-35S-149	149.05	400	0.05	7	500	10
SM138-35S-208	208.66	400	0.036	7	500	10
SM138-35S-608	608.61	400	0.0123	7	500	10
SM138-35S-1470	1470.82	400	0.0051	7	500	10





## Kennlinie Basismotor:

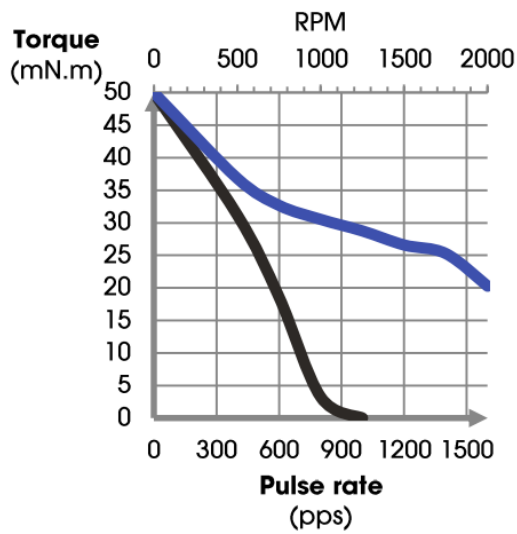
### 35RH48B07

Conditions: Bi-polar Constant Current Driver

Driver: AMIS 30522

Mode: Full Step

— Pull in torque    — Pull out torque



	COLOR	Phase	CCW <-----				----->CW	
1	YELLOW	A	-	+	+	-		
2	ORANGE	B	+	-	-	+	+	
3	BLACK	C	-	-	+	+	-	
4	BROWN	D	+	+	-	-	+	

