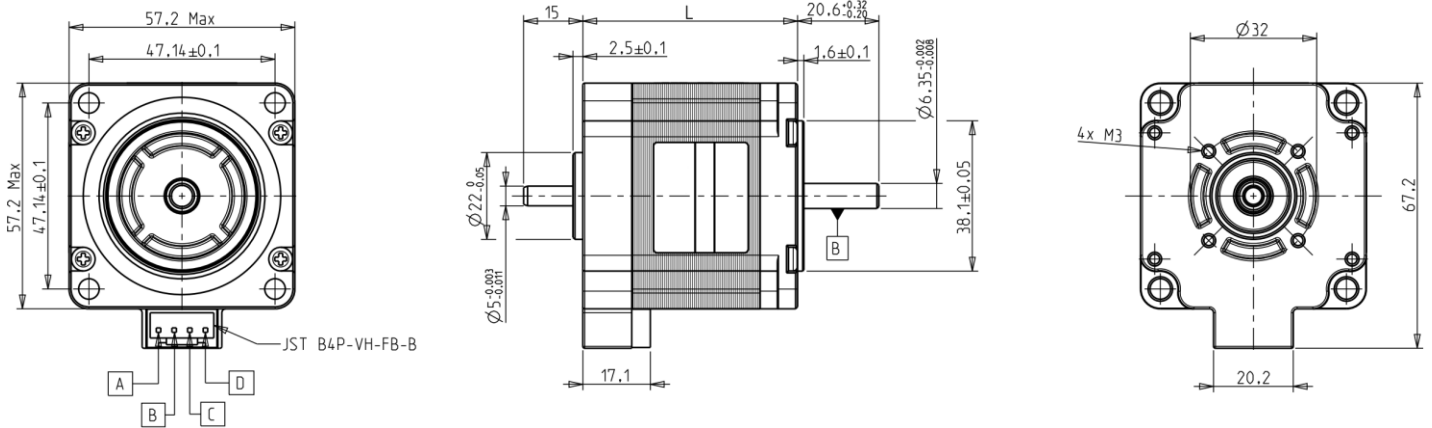


**Abmessungen / Dimensions**



**Motordaten / Motor Data**

Typ / Type:		Für xxx in der Bestellbezeichnung ist der entsprechende Buchstabe für den Wicklungsstrom einzutragen The xxx in the order code has to be replaced by the corresponding letter of the winding current										
<b>ST2x-xxx-008401(2 = rear shaft)</b>			0-10	0-20	0-30	1-010	1-020	1-030	2-010	2-020	2-030	2-040
Haltmoment bipolar / Holding Torque bipolar	M <sub>H</sub> Nm		0,7	0,7	0,7	1,4	1,4	1,4	2,0	2,0	2,0	2,1
Nennstrom pro Phase / Rated Phase Current	I A		1,0	2,0	3,0	1,0	2,0	3,0	1,0	2,0	3,0	4,0
<b>Tech. Daten / Tech. Data</b>												
Systematische Winkeltoleranz / Stepangle Accuracy	%		5	5	5	5	5	5	5	5	5	5
Widerstand pro Phase / Phase Resistance	R <sub>ph</sub> Ω		3,67	0,98	0,42	5,14	1,33	0,61	6,26	1,57	0,69	0,43
Induktivität pro Phase / Phase Inductance	L <sub>ph</sub> mH		13,51	3,21	1,58	20,75	5,67	2,3	22,35	5,77	2,7	1,66
Restdrehmoment / Detent Torque	M <sub>P</sub> Ncm		3,0	3,0	3,0	5,0	5,0	6,0	8,0	7,0	7,0	7,0
Isolationsklasse / Insulation class			B	B	B	B	B	B	B	B	B	B
Max. Versorgungsspannung / Max. Supply Voltage DC	U V <sub>DC</sub>		75	75	75	75	75	75	75	75	75	75
<b>Mech. Daten / Mech. Data</b>												
Rotorträgheitsmoment / Rotor Inertia	J gcm <sup>2</sup>		77	77	77	209	209	209	335	335	335	335
Masse / Mass	m kg		0,5	0,5	0,5	0,7	0,7	0,7	1	1	1	1
Länge / Length	L mm		41	41	41	55	55	55	78	78	78	78
A-Wellendurchmesser/ A-Shaft diameter	A mm		6,35	6,35	6,35	6,35	6,35	6,35	8	8	8	8
B-Wellendurchmesser/ B-Shaft diameter	A mm		5	5	5	5	5	5	5	5	5	5
Schutzart Ip protection	IP		23	23	23	23	23	23	23	23	23	23
Radial Belastung / 5mm vom A-Flansch Radial shaft Load / 5mm from A-flange	N		110	110	110	110	110	110	110	110	110	110
Axiale Belastung / Axial shaft Load	N		90	90	90	90	90	90	90	90	90	90

Der Motor ist an einem Flansch angebaut und die Wicklungstemperaturanstieg ΔT = 90°C, Widerstand gemessen bei Wicklungstemperatur von 20°  
The motor is mounted, and winding temperature rise ΔT = 90°C. Resistance is with winding 25°C

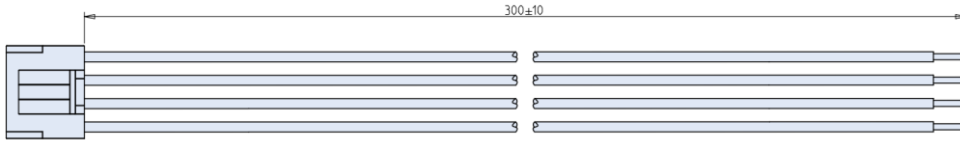
**AHS Antriebstechnik GmbH, Fichtenweg 17, 64319 Pfungstadt; Phone: +49 6157 9866110 Fax: +49 6157 9866112**

## Connection KAB-ST2

» Connector: JST VHR-4N

» Terminal: JST SVH-21T-P1.1

» Leads: AWG22 UL1569

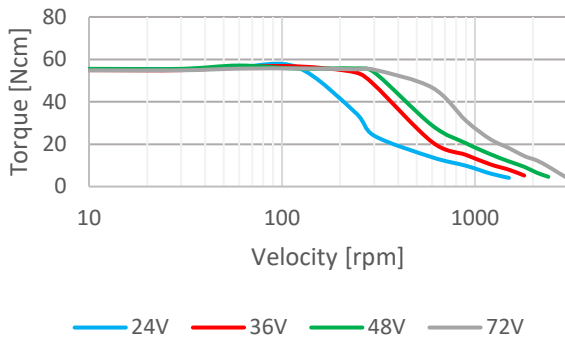


### Lead wires

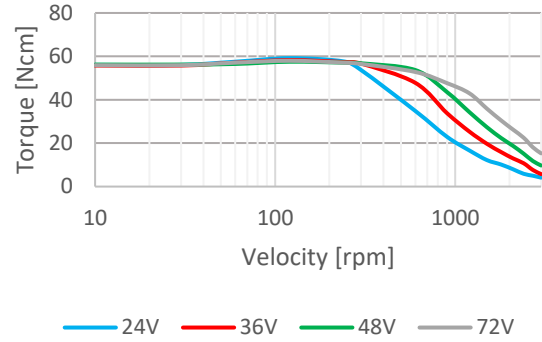
pin #	Colour	Function
1	White ○	phase A+
2	Yellow ●	phase A-
3	Red ●	phase B+
4	Blue ●	phase B-

## Curves

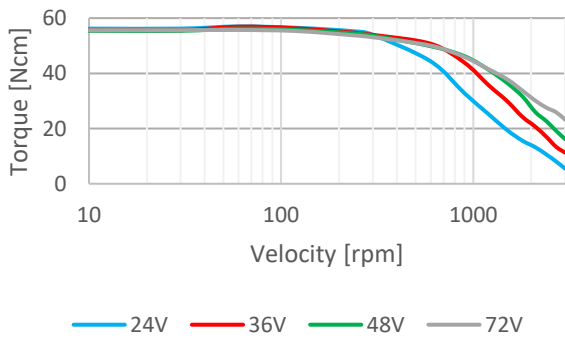
Pull-out torque ST20-010 1,0A



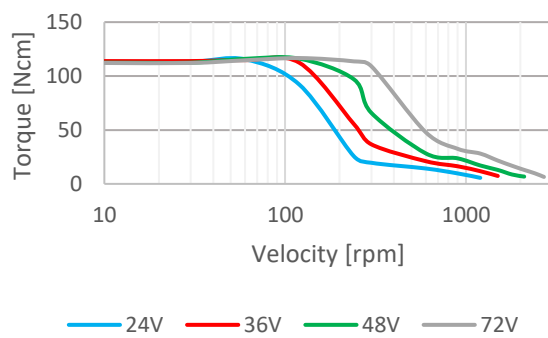
Pull-out torque ST20-020 2,0A



Pull-out torque ST20-030 3,0A



Pull-out torque ST21-010 1,0A



**Curves**

