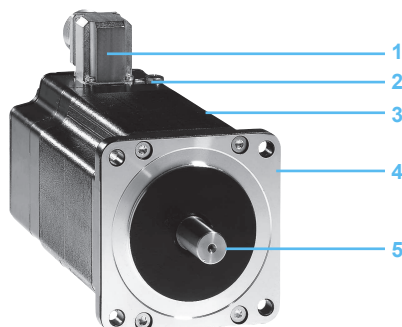


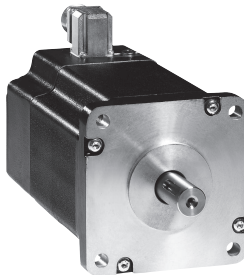


Description

BRS3 motors comprise:

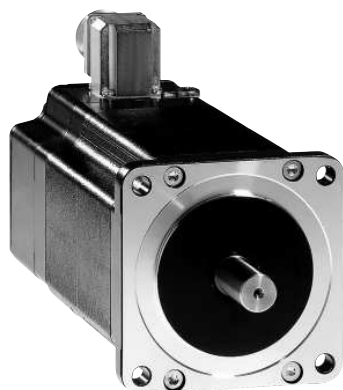
- 1 Motor connection: version with angled connector
- 2 Additional earthing terminal
- 3 Housing, with black protective coating
- 4 Axial flange with four mounting points conforming to standard DIN 42918
- 5 Smooth shaft end conforming to standard DIN 42918

BRS3 motor offer

3-phase stepper motors			BRS	364	366	368	397	39A	39B	3AC	3AD
											
Flange size	—	mm	57			85			110		
Maximum torque	M_{max}	Nm	0.45...1.50			1.7...6.0			12.0...16.5		
Holding torque	M_H	Nm	0.45...1.70			1.92...6.78			13.5...19.7		
Number of steps	z	—	200 / 400 / 500 / 1000 / 2000 / 4000 / 5000 / 10 000								
Step angle	α	°	1.8 / 0.9 / 0.72 / 0.36 / 0.18 / 0.09 / 0.072 / 0.036								
Phase current	W winding	A_{rms}	—			0.9	1.75	2	2.25	4.1	4.75
	H winding		5.2	5.8	5.8			—			
Weight	—	kg	0.7	0.95	2	2.1	3.2	4.3	8.2	11.2	
Degree of protection according to standard IEC/EN 60034-5	—	—	IP 56 (except for shaft end - IP 41)								
Ambient air temperature	—	°C	- 25...+ 40								
Winding insulation class according to standard IEC/EN 60034-1	—	—	F (maximum temperature for windings 155°C)								



BRS368 stepper motor



BRS39 stepper motor

BRS36 stepper motor

Example:	B	R	S	3	6	8	W	1	3	1	A	B	A
Motor type S = stepper motor	B	R	S	3	6	8	W	1	3	0	A	B	A
Number of motor phases 3 = 3 phases	B	R	S	3	6	8	W	1	3	1	A	B	A
Flange size 6 = 57 mm	B	R	S	3	6	8	W	1	3	1	A	B	A
Motor length 8 = 79 mm	B	R	S	3	6	8	W	1	3	1	A	B	A
Maximum voltage W = 230 V ~ (325 V ...)	B	R	S	3	6	8	W	1	3	1	A	B	A
Shaft type 0 = Ø 6.35 mm smooth shaft, IP 41 1 = Ø 8 mm smooth shaft, IP 41	B	R	S	3	6	8	W	1	3	1	A	B	A
Centering collar 3 = 38 mm	B	R	S	3	6	8	W	1	3	1	A	B	A
Encoder (1) 0 = without encoder 1 = with encoder (1000 points/turn)	B	R	S	3	6	8	W	1	3	1	A	B	A
Holding brake (1) A = without holding brake F = with holding brake	B	R	S	3	6	8	W	1	3	1	A	B	A
Type of connection B = terminals C = connector	B	R	S	3	6	8	W	1	3	1	A	B	A
Second shaft end (1) A = without second shaft end B = with second shaft end	B	R	S	3	6	8	W	1	3	1	A	B	A

BRS39 stepper motor

Example:	B	R	S	3	9	7	W	2	6	0	A	B	A
Motor type S = stepper motor	B	R	S	3	9	7	W	2	6	0	A	B	A
Number of motor phases 3 = 3 phases	B	R	S	3	9	7	W	2	6	0	A	B	A
Flange size 9 = 85 mm	B	R	S	3	9	7	W	2	6	0	A	B	A
Motor length 7 = 68 mm A = 98 mm B = 128 mm	B	R	S	3	9	7	W	2	6	0	A	B	A
Maximum voltage W = 230 V ~ (325 V ...)	B	R	S	3	9	7	W	2	6	0	A	B	A
Shaft type (2) 2 = Ø 9.5 mm smooth shaft, IP 41 3 = Ø 12 mm smooth shaft, IP 41 4 = Ø 14 mm smooth shaft, IP 41 5 = Ø 9.5 mm disc key, IP 41 6 = Ø 12 mm disc key, IP 41 7 = Ø 14 mm disc key, IP 41	B	R	S	3	9	7	W	2	6	0	A	B	A
Centering collar 6 = 60 mm 7 = 73 mm	B	R	S	3	9	7	W	2	6	0	A	B	A
Encoder (1) 0 = without encoder 1 = with encoder (1000 points/turn)	B	R	S	3	9	7	W	2	6	0	A	B	A
Holding brake (1) A = without holding brake F = with holding brake	B	R	S	3	9	7	W	2	6	0	A	B	A
Type of connection B = terminals C = connector	B	R	S	3	9	7	W	2	6	0	A	B	A
Second shaft end (1) A = without second shaft end B = with second shaft end	B	R	S	3	9	7	W	2	6	0	A	B	A

(1) The "Holding brake" and "Encoder" options are not compatible with the "Second shaft end" option.

(2) Possible motor/shaft type combinations depending on the length of the motor:

- Motor length 7 = 2, 3, 5, 6
- Motor length A = 2, 3, 5, 6
- Motor length B = 4, 7