

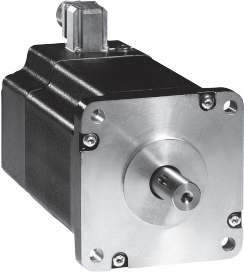


Description

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

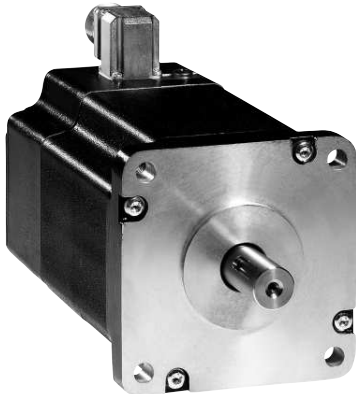
BRS3 motor offer

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)								

Lexium SD3 motion control

BRS3 3-phase stepper motors

For Lexium SD326 and SD328 drives



BRS3A● stepper motor

BRS3A● stepper motor													
Example:	B	R	S	3	A	C	W	8	5	0	A	B	A
Motor type S = stepper motor	B	R	S	3	A	C	W	8	5	0	A	B	A
Number of motor phases 3 = 3 phases	B	R	S	3	A	C	W	8	5	0	A	B	A
Flange size A = 110 mm	B	R	S	3	A	C	W	8	5	0	A	B	A
Motor length C = 180 mm D = 230 mm	B	R	S	3	A	C	W	8	5	0	A	B	A
Maximum voltage W = 230 V ~ (325 V ~)	B	R	S	3	A	C	W	8	5	0	A	B	A
Shaft type 8 = Ø 19 mm parallel key, IP 41	B	R	S	3	A	C	W	8	5	0	A	B	A
Centering collar 5 = 56 mm	B	R	S	3	A	C	W	8	5	0	A	B	A
Encoder (1) 0 = without encoder 1 = with encoder (1000 points/turn)	B	R	S	3	A	C	W	8	5	0	A	B	A
Holding brake (1) A = without holding brake F = with holding brake	B	R	S	3	A	C	W	8	5	0	A	B	A
Type of connection B = terminals C = connector	B	R	S	3	A	C	W	8	5	0	A	B	A
Second shaft end (1) A = without second shaft end B = with second shaft end	B	R	S	3	A	C	W	8	5	0	A	B	A

Dimensions (overall in mm)							
Motor type	BRS	368	397	39A	39B	3AC	3AD
W x H		57.2 x 57.2	85 x 85			110 x 110	
D		79	67.5	97.5	127.5	180	228

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