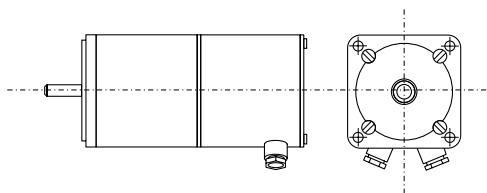


Stepping motor with holding brake

brake type: permanent magnetical brake
voltage supply: 24VDC (-10% / +15%)
operating temperature: max. 100°C
protection: as motor protection – until IP68 the brake is integrated in the motor housing

Holding brakes are used as emergency brakes in vertical axis (Z-axis). If the motor current is switched off or in case of a power line fault the motor shaft will be retarded.

The brake must be supplied by 24VDC to release the motor shaft.



The dimensions of the different motor types with brake can be found in the table of page 36.

series	type	weight kg	total kgcm ²	brake kgcm ²	brake		electr. power / consumption at 24 VDC W / mA
					holding torque Nm	switching time	
					ON ms	OFF ms	
56	SM 56.1.18...B	0.8	0.15	0.02	1	7	15
	SM 56.2.18...B	1.2	0.27				
	SM 56.3.18...B	1.6	0.4				
87	SM 87.1.18...B	2.1	0.8	0.15	4.5	20	15
	SM 87.2.18...B	3	1.45				
	SM 87.3.18...B	4	2.1				
	SM 87.4.18...B	5	2.75				
88	SM 88.1.18...B	2.3	1.5	0.15	4.5	20	15
	SM 88.2.18...B	3.2	2.85				
	SM 88.3.18...B	4.2	4.2				
	SM 88.4.18...B	5.2	5.55				
107	SM 107.1.18...B	5.2	4.65	0.63	6	35	25
	SM 107.2.18...B	8.1	8.65				
	SM 107.3.18...B	10.7	12.65				
	SM 107.4.18...B	13.4	16.65				

Connections brake

