

Population name	Source population name	Post synaptic delta efficacy (mV)	Average number of incoming connections to each neuron	Connection delay time (ms)	Average firing rate where defined (Hz)	Effective average input current where defined (nA)
MN-RF	Extensor Interneurons	-0.052	70	2		
MN-VL	Extensor Interneurons	-0.052	70	2		
MN-VM	Extensor Interneurons	-0.052	70	2		
MN-ST	Extensor Interneurons	0.052	140	2		
MN-BF	Extensor Interneurons	0.052	70	2		
MN-RF	Flexor Interneurons	0.052	140	2		
MN-VL	Flexor Interneurons	0.052	70	2		
MN-VM	Flexor Interneurons	0.052	70	2		
MN-ST	Flexor Interneurons	-0.052	70	2		
MN-BF	Flexor Interneurons	-0.052	70	2		
MN-RF	InhibRF	-0.052	70	2		
MN-ST	InhibST	-0.052	70	2		
Extensor Interneurons	Flexor Interneurons	-0.052	70	2		
Flexor Interneurons	Extensor Interneurons	-0.052	70	2		
MN-RF	Cortical Drive + Background	0.1	100	0	310 to 390*	3.1 to 3.9
MN-VL	Cortical Drive + Background	0.1	100	0	310 to 390*	3.1 to 3.9
MN-VM	Cortical Drive + Background	0.1	100	0	310 to 390*	3.1 to 3.9
MN-ST	Cortical Drive + Background	0.1	100	0	310 to 390*	3.1 to 3.9
MN-BF	Cortical Drive + Background	0.1	100	0	310 to 390*	3.1 to 3.9
Extensor Interneurons	Cortical Drive + Background	0.1	100	0	310	3.1
Flexor Interneurons	Cortical Drive + Background	0.1	100	0	310	3.1
InhibRF	Cortical Drive + Background	0.1	100	0	310	3.1
InhibST	Cortical Drive + Background	0.1	100	0	310	3.1
Extensor Interneurons	Extensor Afferent Input	0.1	100	0	190 to 390**	1.9 to 3.9
Flexor Interneurons	Flexor Afferent Input	0.1	100	0	190	1.9
InhibRF	Extensor Afferent Input	0.1	100	0	0 to 240**	0.0 to 2.4
InhibST	Flexor Afferent Input	0.1	100	0	0 to 240**	0.0 to 2.4

* During the task, background activity remains constant at 310Hz and cortical input transitions from 0Hz to 80Hz then back to 0Hz

** Afferent input remains constant throughout the activity but is set within the given ranges to produce different synergy patterns.