

## Axis parameter for auxiliary axis

Command	Data type	Description	PS	AX	RW	Range
M_SSEC_MPRMAUX_MSR	T_SHORT	Motor series	-	O	RW	0 to 0xFFFF
M_SSEC_MPRMAUX_RTY	T_SHORT	Regeneration option type	-	O	RW	0 to 0xFFFF
M_SSEC_MPRMAUX_PC1	T_SHORT	Motor side gear ratio (machine rotation ratio)	-	O	RW	1 to 32767
M_SSEC_MPRMAUX_PC2	T_SHORT	Machine side gear ratio (motor rotation ratio)	-	O	RW	1 to 32767
M_SSEC_MPRMAUX_PIT	T_SHORT	Feed pitch	-	O	RW	1 to 32767
M_SSEC_MPRMAUX_INP	T_SHORT	In-position detection width	-	O	RW	1 to 32767
M_SSEC_MPRMAUX_ATU	T_SHORT	Auto-tuning	-	O	RW	0 to 0xFFFF
M_SSEC_MPRMAUX_PG1	T_SHORT	Position loop gain 1	-	O	RW	4 to 1000
M_SSEC_MPRMAUX_SV009	T_SHORT	(sv009)	-	O	RW	0 to 20000
M_SSEC_MPRMAUX_EMG	T_SHORT	Deceleration control time constant	-	O	RW	0 to 32767
M_SSEC_MPRMAUX_SV011	T_SHORT	(sv011)	-	O	RW	0 to 10000
M_SSEC_MPRMAUX_SV015	T_SHORT	(sv015)	-	O	RW	1 to 65535
M_SSEC_MPRMAUX_MBR	T_SHORT	Vertical axis drop prevention	-	O	RW	0 to 1000
M_SSEC_MPRMAUX_NCH	T_SHORT	Notch filter No.	-	O	RW	0 to 7
M_SSEC_MPRMAUX_KEG	T_SHORT	(KEG)	-	O	RW	1 to 500
M_SSEC_MPRMAUX_JIT	T_SHORT	Jitter compensation	-	O	RW	0 to 3
M_SSEC_MPRMAUX_MV1	T_SHORT	(MV1)	-	O	RW	0 to 0xFFFF
M_SSEC_MPRMAUX_MV2	T_SHORT	(MV2)	-	O	RW	0 to 0xFFFF
M_SSEC_MPRMAUX_PG2	T_SHORT	Position loop gain 2	-	O	RW	1 to 500
M_SSEC_MPRMAUX_VG1	T_SHORT	Speed loop gain 1	-	O	RW	20 to 5000
M_SSEC_MPRMAUX_VG2	T_SHORT	Speed loop gain 2	-	O	RW	20 to 8000
M_SSEC_MPRMAUX_VIS	T_SHORT	Speed integral compensation	-	O	RW	1 to 1000
M_SSEC_MPRMAUX_VDC	T_SHORT	Speed differential compensation	-	O	RW	0 to 1000
M_SSEC_MPRMAUX_DG2	T_SHORT	Load inertia ratio	-	O	RW	0 to 1000
M_SSEC_MPRMAUX_SV028	T_SHORT	(sv028)	-	O	RW	0 to 0xFFFF
M_SSEC_MPRMAUX_MTY	T_SHORT	Motor type	-	O	RW	0 to 0xFFFF
M_SSEC_MPRMAUX_TMK	T_SHORT	(TMK)	-	O	RW	0 to 1000
M_SSEC_MPRMAUX_PMS	T_SHORT	(PMS)	-	O	RW	2 to 8

M_SSEC_MPRMAUX_BAS	T_SHORT	(BAS)	-	O	RW	1 to 900
M_SSEC_MPRMAUX_MAX	T_SHORT	(MAX)	-	O	RW	1 to 900
M_SSEC_MPRMAUX_AMR	T_SHORT	(AMR)	-	O	RW	0 to 65535
M_SSEC_MPRMAUX_JMK	T_SHORT	(JMK)	-	O	RW	0 to 65535
M_SSEC_MPRMAUX_KCM	T_SHORT	(KCM)	-	O	RW	1 to 500
M_SSEC_MPRMAUX_KVI	T_SHORT	(KVI)	-	O	RW	1 to 500
M_SSEC_MPRMAUX_VGM	T_SHORT	(VGM)	-	O	RW	1 to 500
M_SSEC_MPRMAUX_MLD	T_SHORT	(MLD)	-	O	RW	1 to 500
M_SSEC_MPRMAUX_KEC	T_SHORT	(KEC)	-	O	RW	1 to 500
M_SSEC_MPRMAUX_IQG	T_SHORT	(IQG)	-	O	RW	-9999 to 9999
M_SSEC_MPRMAUX_IDG	T_SHORT	(IDG)	-	O	RW	-9999 to 9999
M_SSEC_MPRMAUX_IQI	T_SHORT	(IQI)	-	O	RW	-9999 to 9999
M_SSEC_MPRMAUX_IDI	T_SHORT	(IDI)	-	O	RW	-9999 to 9999
M_SSEC_MPRMAUX_MD1	T_SHORT	D/A output channel 1 data No.	-	O	RW	0 to 0xFFFF
M_SSEC_MPRMAUX_MO1	T_SHORT	D/A output channel 1 output offset	-	O	RW	-999 to 999
M_SSEC_MPRMAUX_MG1	T_SHORT	(MG1)	-	O	RW	0 to 65535
M_SSEC_MPRMAUX_MD2	T_SHORT	D/A output channel 2 data No.	-	O	RW	0 to 0xFFFF
M_SSEC_MPRMAUX_MO2	T_SHORT	D/A output channel 2 output offset	-	O	RW	-999 to 999
M_SSEC_MPRMAUX_MG2	T_SHORT	(MG2)	-	O	RW	0 to 65535
M_SSEC_MPRMAUX_STY02	T_CHAR	(STY02)	-	O	RW	0 to 0x00FF
M_SSEC_MPRMAUX_STATION	T_SHORT	Number of indexing stations	-	O	RW	2 to 360
M_SSEC_MPRMAUX_CONT1	T_SHORT	Control parameter 1	-	O	RW	0 to 0xFFFF
M_SSEC_MPRMAUX_CONT2	T_CHAR	Control parameter 2	-	O	RW	0 to 0xFF
M_SSEC_MPRMAUX_EMGCONT	T_CHAR	Emergency stop control	-	O	RW	0 to 0xFF
M_SSEC_MPRMAUX_TLENG	T_LONG	Linear axis stroke length	-	O	RW	1 to 99999.999
M_SSEC_MPRMAUX_AXIS_NAM	T_STR	Axis name	-	O	RW	4 letters
M_SSEC_MPRMAUX_ZRNSPEED	T_LONG	Reference position return speed	-	O	RW	1 to 100000
M_SSEC_MPRMAUX_ZRNCREEP	T_SHORT	Reference position return creep speed	-	O	RW	1 to 65535
M_SSEC_MPRMAUX_GRIDMASK	T_SHORT	Grid mask	-	O	RW	0 to 65535
M_SSEC_MPRMAUX_GRSPC	T_CHAR	Grid spacing	-	O	RW	0 to 4
M_SSEC_MPRMAUX_ZRNSHIFT	T_SHORT	Reference position shift amount	-	O	RW	0 to 65535
M_SSEC_MPRMAUX_STOFSET	T_FLOATBIN	Station offset	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_ABSBASE	T_FLOATBIN	Absolute position zero point	-	O	RW	-99999.999 to 99999.999

M_SSEC_MPRMAUX_LIMIT_HIGH	T_FLOATBIN	Soft limit (+)	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_LIMIT_LOW	T_FLOATBIN	Soft limit (-)	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_ABSTYPE	T_SHORT	Absolute position detection parameter	-	O	RW	0 to 0x00FF
M_SSEC_MPRMAUX_ABSCHECK	T_LONG	Absolute position power OFF tolerable movement value	-	O	RW	0 to 99999.999
M_SSEC_MPRMAUX_BACKLASH	T_SHORT	Backlash compensation amount	-	O	RW	0 to 9999
M_SSEC_MPRMAUX_YOB16A	T_SHORT	(YOB16A)	-	O	RW	0 to 65535
M_SSEC_MPRMAUX_YOB16B	T_SHORT	(YOB16B)	-	O	RW	0 to 0xi¼;¼;¼;¼;¼;
M_SSEC_MPRMAUX_YOB132A	T_FLOATBIN	(YOB132A)	-	O	RW	-99999999 to 99999999
M_SSEC_MPRMAUX_YOB132B	T_FLOATBIN	(YOB132B)	-	O	RW	-99999999 to 99999999
M_SSEC_MPRMAUX_ASPEED1	T_LONG	Operation parameter group 1 Automatic operation speed	-	O	RW	1 to 100000
M_SSEC_MPRMAUX_MSPEED1	T_LONG	Operation parameter group 1 Manual operation speed	-	O	RW	1 to 100000
M_SSEC_MPRMAUX_TIMEL1	T_SHORT	Operation parameter group 1 Acceleration/deceleration time constant 1	-	O	RW	1 to 9999
M_SSEC_MPRMAUX_TIMEL2	T_SHORT	Operation parameter group 1 Acceleration/deceleration time constant 2	-	O	RW	1 to 9999
M_SSEC_MPRMAUX_TL1	T_SHORT	Operation parameter group 1 Torque limit value	-	O	RW	0 to 500
M_SSEC_MPRMAUX_OD1	T_SHORT	Operation parameter group 1 Excessive error detection width	-	O	RW	0 to 32767
M_SSEC_MPRMAUX_JUST1	T_LONG	Operation parameter group 1 Set position output width	-	O	RW	0 to 99999.999
M_SSEC_MPRMAUX_NEAR1	T_LONG	Operation parameter group 1 Near set position output width	-	O	RW	0 to 99999.999
M_SSEC_MPRMAUX_ASPEED2	T_LONG	Parameter of operation parameter group 2	-	O	RW	1 to 100000
M_SSEC_MPRMAUX_MSPEED2	T_LONG	Parameter of operation parameter group 2	-	O	RW	1 to 100000
M_SSEC_MPRMAUX_TIMEL2_1	T_SHORT	Parameter of operation parameter group 2	-	O	RW	1 to 9999

M_SSEC_MPRMAUX_TIMEL2_2	T_SHORT	Parameter of operation parameter group 2	-	O	RW	1 to 9999
M_SSEC_MPRMAUX_TL2	T_SHORT	Parameter of operation parameter group 2	-	O	RW	0 to 500
M_SSEC_MPRMAUX_OD2	T_SHORT	Parameter of operation parameter group 2	-	O	RW	0 to 32767
M_SSEC_MPRMAUX_JUST2	T_LONG	Parameter of operation parameter group 2	-	O	RW	0 to 99999.999
M_SSEC_MPRMAUX_NEAR2	T_LONG	Parameter of operation parameter group 2	-	O	RW	0 to 99999.999
M_SSEC_MPRMAUX_ASPEED3	T_LONG	Parameter of operation parameter group 3	-	O	RW	1 to 100000
M_SSEC_MPRMAUX_MSPEED3	T_LONG	Parameter of operation parameter group 3	-	O	RW	1 to 100000
M_SSEC_MPRMAUX_TIMEL3_1	T_SHORT	Parameter of operation parameter group 3	-	O	RW	1 to 9999
M_SSEC_MPRMAUX_TIMEL3_2	T_SHORT	Parameter of operation parameter group 3	-	O	RW	1 to 9999
M_SSEC_MPRMAUX_TL3	T_SHORT	Parameter of operation parameter group 3	-	O	RW	0 to 500
M_SSEC_MPRMAUX_OD3	T_SHORT	Parameter of operation parameter group 3	-	O	RW	0 to 32767
M_SSEC_MPRMAUX_JUST3	T_LONG	Parameter of operation parameter group 3	-	O	RW	0 to 99999.999
M_SSEC_MPRMAUX_NEAR3	T_LONG	Parameter of operation parameter group 3	-	O	RW	0 to 99999.999
M_SSEC_MPRMAUX_ASPEED4	T_LONG	Parameter of operation parameter group 4	-	O	RW	1 to 100000
M_SSEC_MPRMAUX_MSPEED4	T_LONG	Parameter of operation parameter group 4	-	O	RW	1 to 100000
M_SSEC_MPRMAUX_TIMEL4_1	T_SHORT	Parameter of operation parameter group 4	-	O	RW	1 to 9999
M_SSEC_MPRMAUX_TIMEL4_2	T_SHORT	Parameter of operation parameter group 4	-	O	RW	1 to 9999

M_SSEC_MPRMAUX_TL4	T_SHORT	Parameter of operation parameter group 4	-	O	RW	0 to 500
M_SSEC_MPRMAUX_OD4	T_SHORT	Parameter of operation parameter group 4	-	O	RW	0 to 32767
M_SSEC_MPRMAUX_JUST4	T_LONG	Parameter of operation parameter group 4	-	O	RW	0 to 99999.999
M_SSEC_MPRMAUX_NEAR4	T_LONG	Parameter of operation parameter group 4	-	O	RW	0 to 99999.999
M_SSEC_MPRMAUX_STOPS1	T_FLOATBIN	Station 2 coordinate	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_STOPS2	T_FLOATBIN	Station 3 coordinate	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_STOPS3	T_FLOATBIN	Station 4 coordinate	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_STOPS4	T_FLOATBIN	Station 5 coordinate	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_STOPS5	T_FLOATBIN	Station 6 coordinate	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_STOPS6	T_FLOATBIN	Station 7 coordinate	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_STOPS7	T_FLOATBIN	Station 8 coordinate	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_STOPS8	T_FLOATBIN	Station 9 coordinate	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSWCHECK	T_CHAR	PSW detection method	-	O	RW	0 to 0xFF
M_SSEC_MPRMAUX_PSW1DOG1	T_FLOATBIN	PSW1 area setting 1	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSW1DOG2	T_FLOATBIN	PSW1 area setting 2	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSW2DOG1	T_FLOATBIN	PSW2 area setting 1	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSW2DOG2	T_FLOATBIN	PSW2 area setting 2	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSW3DOG1	T_FLOATBIN	PSW3 area setting 1	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSW3DOG2	T_FLOATBIN	PSW3 area setting 2	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSW4DOG1	T_FLOATBIN	PSW4 area setting 1	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSW4DOG2	T_FLOATBIN	PSW4 area setting 2	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSW5DOG1	T_FLOATBIN	PSW5 area setting 1	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSW5DOG2	T_FLOATBIN	PSW5 area setting 2	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSW6DOG1	T_FLOATBIN	PSW6 area setting 1	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSW6DOG2	T_FLOATBIN	PSW6 area setting 2	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSW7DOG1	T_FLOATBIN	PSW7 area setting 1	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSW7DOG2	T_FLOATBIN	PSW7 area setting 2	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSW8DOG1	T_FLOATBIN	PSW8 area setting 1	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PSW8DOG2	T_FLOATBIN	PSW8 area setting 2	-	O	RW	-99999.999 to 99999.999
M_SSEC_MPRMAUX_PUSHT	T_LONG	Stopper amount	-	O	RW	-359999 to 359999

---

M_SSEC_MPRMAUX_PUSHT1	T_SHORT	Stopper standby time	-	O	RW	0 to 9999
M_SSEC_MPRMAUX_PUSHT2	T_SHORT	Stopper torque release time	-	O	RW	0 to 9999
M_SSEC_MPRMAUX_PUSHT3	T_SHORT	Set position signal output delay time	-	O	RW	0 to 9999