

Servo monitor

Command	Data type	Description	PS	AX	RW	Range
M_SSEC_MSV_GAIN	T_LONG	Gain	--	O	R	
M_SSEC_MSV_DROOP	T_LONG	Droop	--	O	R	
M_SSEC_MSV_REV_SPD	T_SHORT	Rotation speed	--	O	R	
M_SSEC_MSV_MAX_CUR1	T_SHORT	MAX current 1	--	O	R	
M_SSEC_MSV_MAX_CUR2	T_SHORT	MAX current 2	--	O	R	
M_SSEC_MSV_OVER_LOAD	T_SHORT	Overload	--	O	R	
M_SSEC_MSV_OVER_REG	T_SHORT	Regenerative load	--	O	R	
M_SSEC_MSV_AMP_DISP	T_CHAR	Drive unit display	--	O	R	
M_SSEC_MSV_ALARM1	T_STR	Alarm 1	--	O	R	
M_SSEC_MSV_ALARM2	T_STR	Alarm 2	--	O	R	
M_SSEC_MSV_ALARM3	T_STR	Alarm 3	--	O	R	
M_SSEC_MSV_ALARM4	T_STR	Alarm 4	--	O	R	
M_SSEC_MSV_CYC_CNT	T_LONG	Cycle counter	--	O	R	
M_SSEC_MSV_GRDSP	T_FLOATBIN/T_LONG	Grid interval	--	O	R	
M_SSEC_MSV_GRID	T_FLOATBIN/T_LONG	Grid amount	--	O	R	
M_SSEC_MSV_MAC_POS	T_FLOATBIN/T_LONG	Machine position	--	O	R	
M_SSEC_MSV_MOT_POS	T_FLOATBIN/T_LONG	Motor end FB	--	O	R	
M_SSEC_MSV_SCA_POS	T_FLOATBIN/T_LONG	Machine end FB	--	O	R	
M_SSEC_MSV_FB_ERROR	T_LONG	FB error	--	O	R	
M_SSEC_MSV_DFB_COMP	T_LONG	DFB compensation amount	--	O	R	
M_SSEC_MSV_DISTANCE	T_FLOATBIN/T_LONG	Remaining command	--	O	R	
M_SSEC_MSV_POSITION2	T_FLOATBIN/T_LONG	Current value (2)	--	O	R	
M_SSEC_MSV_MANUAL_IT	T_FLOATBIN/T_LONG	Manual interruption amount	--	O	R	
M_SSEC_MSV_ABS_SYS	T_STR	Detection system	--	O	R	
M_SSEC_MSV_ABS_PON_POS	T_FLOATBIN/T_LONG	Power ON position	--	O	R	
M_SSEC_MSV_ABS_POF_POS	T_FLOATBIN/T_LONG	Power OFF position	--	O	R	
M_SSEC_MSV_ABS_MAC_POS	T_FLOATBIN/T_LONG	Current position	--	O	R	
M_SSEC_MSV_R0	T_SHORT	R0 (Revolution counter in setting reference position)	--	O	R	

M_SSEC_MSV_P0	T_LONG	P0 (Position within one revolution in setting reference position)	--	O	R	
M_SSEC_MSV_E0	T_SHORT	E0 (Absolute position error in setting reference position)	--	O	R	
M_SSEC_MSV_RN	T_SHORT	Rn (Revolution counter)	--	O	R	
M_SSEC_MSV_PN	T_LONG	Pn (Position within one revolution)	--	O	R	
M_SSEC_MSV_EN	T_SHORT	En (Absolute position error at power OFF)	--	O	R	
M_SSEC_MSV_ABS0	T_LONG	ABS0 (Absolute position base counter)	--	O	R	
M_SSEC_MSV_ABSN	T_LONG	ABSn (Absolute position counter)	--	O	R	
M_SSEC_MSV_MPOS	T_SHORT	MPOS (Initial offset amount)	--	O	R	
M_SSEC_MSV_UNIT_TYP	T_STR	Drive unit type	--	O	R	
M_SSEC_MSV_UNIT_NO	T_STR	Drive unit serial No.	--	O	R	
M_SSEC_MSV_SW_VER	T_STR	Software version	--	O	R	
M_SSEC_MSV_CNTR0L	T_STR	Control method	--	O	R	
M_SSEC_MSV_MOT_DT	T_STR	Motor end detector	--	O	R	
M_SSEC_MSV_MAC_DT	T_STR	Machine end detector	--	O	R	
M_SSEC_MSV_MOTOR	T_STR	Motor type	--	O	R	
M_SSEC_MSV_WORK_TIME	T_LONG	Operation time	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_ALM_HIST_TM1	T_LONG	Alarm history 1 (Time)	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_ALM_HIST_TM2	T_LONG	Alarm history 2 (Time)	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_ALM_HIST_TM3	T_LONG	Alarm history 3 (Time)	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_ALM_HIST_TM4	T_LONG	Alarm history 4 (Time)	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_ALM_HIST_TM5	T_LONG	Alarm history 5 (Time)	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_ALM_HIST_TM6	T_LONG	Alarm history 6 (Time)	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_ALM_HIST_TM7	T_LONG	Alarm history 7 (Time)	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_ALM_HIST_TM8	T_LONG	Alarm history 8 (Time)	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_ALM_HIST_NO1	T_CHAR	Alarm history 1 (Alarm No.)	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_ALM_HIST_NO2	T_CHAR	Alarm history 2 (Alarm No.)	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_ALM_HIST_NO3	T_CHAR	Alarm history 3 (Alarm No.)	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_ALM_HIST_NO4	T_CHAR	Alarm history 4 (Alarm No.)	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_ALM_HIST_NO5	T_CHAR	Alarm history 5 (Alarm No.)	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_ALM_HIST_NO6	T_CHAR	Alarm history 6 (Alarm No.)	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_ALM_HIST_NO7	T_CHAR	Alarm history 7 (Alarm No.)	--	O	RW	0x00 to 0xFF

M_SSEC_MSV_ALM_HIST_NO8	T_CHAR	Alarm history 8 (Alarm No.)	--	O	RW	0x00 to 0xFF
M_SSEC_MSV_MNT1	T_STR	Maintenance history (MNT1)	--	O	R	
M_SSEC_MSV_MNT2	T_STR	Maintenance history (MNT2)	--	O	R	
M_SSEC_MSV_MNT3	T_STR	Maintenance history (MNT3)	--	O	R	
M_SSEC_MSV_MNT4	T_STR	Maintenance history (MNT4)	--	O	R	
M_SSEC_MSV_SYS	T_STR	/SYS	--	O	R	
M_SSEC_MSV_ABS_POS	T_FLOATBIN/T_LONG	Absolute position (Drive unit output)	--	O	R	--
M_SSEC_MSV_MACECOMP	T_FLOATBIN/T_LONG	Machine error compensation amount (Drive unit output)	--	O	R	--
M_SSEC_MSV_CMD1L	T_STR/T_LONG	Control input 1L	--	O	R	--
M_SSEC_MSV_CMD1H	T_STR/T_LONG	Control input 1H	--	O	R	--
M_SSEC_MSV_CMD2L	T_STR/T_LONG	Control input 2L	--	O	R	--
M_SSEC_MSV_CMD2H	T_STR/T_LONG	Control input 2H	--	O	R	--
M_SSEC_MSV_CMD3L	T_STR/T_LONG	Control input 3L	--	O	R	--
M_SSEC_MSV_CMD3H	T_STR/T_LONG	Control input 3H	--	O	R	--
M_SSEC_MSV_CMD4L	T_STR/T_LONG	Control input 4L	--	O	R	--
M_SSEC_MSV_CMD4H	T_STR/T_LONG	Control input 4H	--	O	R	--
M_SSEC_MSV_CMD5L	T_STR/T_LONG	Control input 5L	--	O	R	--
M_SSEC_MSV_CMD5H	T_STR/T_LONG	Control input 5H	--	O	R	--
M_SSEC_MSV_CMD6L	T_STR/T_LONG	Control input 6L	--	O	R	--
M_SSEC_MSV_CMD6H	T_STR/T_LONG	Control input 6H	--	O	R	--
M_SSEC_MSV_STS1L	T_STR/T_LONG	Control output 1L	--	O	R	--
M_SSEC_MSV_STS1H	T_STR/T_LONG	Control output 1H	--	O	R	--
M_SSEC_MSV_STS2L	T_STR/T_LONG	Control output 2L	--	O	R	--
M_SSEC_MSV_STS2H	T_STR/T_LONG	Control output 2H	--	O	R	--
M_SSEC_MSV_STS3L	T_STR/T_LONG	Control output 3L	--	O	R	--
M_SSEC_MSV_STS3H	T_STR/T_LONG	Control output 3H	--	O	R	--
M_SSEC_MSV_STS4L	T_STR/T_LONG	Control output 4L	--	O	R	--
M_SSEC_MSV_STS4H	T_STR/T_LONG	Control output 4H	--	O	R	--
M_SSEC_MSV_STS5L	T_STR/T_LONG	Control output 5L	--	O	R	--
M_SSEC_MSV_STS5H	T_STR/T_LONG	Control output 5H	--	O	R	--
M_SSEC_MSV_STS6L	T_STR/T_LONG	Control output 6L	--	O	R	--
M_SSEC_MSV_STS6H	T_STR/T_LONG	Control output 6H	--	O	R	--
M_SSEC_MSV_ALM_CLR	T_CHAR	Alarm history clear	--	O	W	0

M_SSEC_MSV_FEED	T_LONG	Feedrate	--	O	R	
M_SSEC_MSV_MAX_CUR3	T_SHORT	MAX current 3	--	O	R	
M_SSEC_MSV_EST_DTORQ	T_SHORT	Estimated disturbance torque	--	O	R	
M_SSEC_MSV_MAX_DTORQ	T_SHORT	MAX disturbance torque	--	O	R	
M_SSEC_MSV_LOAD_INER	T_SHORT	Load inertia ratio	--	O	R	
M_SSEC_MSV_AFLT_FREQ	T_SHORT	AFLT frequency	--	O	R	
M_SSEC_MSV_AFLT_GAIN	T_SHORT	AFLT gain	--	O	R	
M_SSEC_MSV_MOT_DT_NO	T_STR	Serial No. of motor end encoder	--	O	R	
M_SSEC_MSV_MAC_DT_NO	T_STR	Serial No. of machine end encoder	--	O	R	
M_SSEC_MSV_STL_CNV_NUM	T_SHORT	Stall rating conversion constant	--	O	R	
M_SSEC_MSV_SCA_POS2	T_FLOATBIN/T_LONG	Machine end FB (Rotary axis round up)	--	O	R	
M_SSEC_MSV_AUX_CUR_STN	T_STR/T_SHORT	Auxiliary axis current station No.	-	O	R	
M_SSEC_MSV_AUX_MAC_POS	T_STR/T_LONG	Auxiliary axis current position	-	O	R	
M_SSEC_MSV_AUX_INST_STN	T_STR/T_SHORT	Auxiliary axis target station No.	-	O	R	
M_SSEC_MSV_AUX_INST_POS	T_STR/T_LONG	Auxiliary axis command position	-	O	R	
M_SSEC_MSV_ALM_NO(x)	T_CHAR	Alarm No. (x=1 to 32)	--	O	R	00 to FF
M_SSEC_MSV_ALM_TIMES(x)	T_LONG	The number of times of alarm (x=1 to 32)	--	O	RW	(Setting is only 0)
M_SSEC_MSV_DA_ADDRESS1	T_LONG	DA address 1	--	O	R	0000 to FFFF
M_SSEC_MSV_DA_OUTPUT1	T_LONG	DA output 1	--	O	R	
M_SSEC_MSV_DA_ADDRESS2	T_LONG	DA address 2	--	O	R	0000 to FFFF
M_SSEC_MSV_DA_OUTPUT2	T_LONG	DA output 2	--	O	R	
M_SSEC_MSV_ALM_TIMES_CLR	T_CHAR	Clear all the number of times of alarms	--	O	W	0