

## M600L compatible I / F for Citizen's group

Command	Description
SECT_SP_SPINDLE_NUMBER	Number of main axes (digital + analog)
SECT_MP_AXIS_VIR_AX	Virtual axis
SECT_OP_PROSIZ	Machining program storage capacity
SECT_OP_U_MAC	User macro
SECT_OP_VARIABLE	Variable command, number of groups
SECT_OP_SYNC_TAP_S1	Synchronous tap First spindle
SECT_OP_SYNC_TAP_S2	Synchronous tap second spindle
SECT_OP_SYNC_TAP_S3	Synchronous tap third spindle
SECT_OP_SYNC_TAP_S4	Sync tap fourth spindle
SECT_OP_SYNC_TAP_S5	Synchronous tap fifth spindle
SECT_OP_SYNC_TAP_S6	Synchronous tap sixth spindle
SECT_OP_POLYGON	Tool spindle synchronization 1
SECT_OP_HOB	Tool spindle synchronization 2
SECT_OP_SYNC_TAP	Synchronous Tapping
SECT_OP_STAP_ZRTN	Tap cycle synchronous return override
SECT_OP_STAP_RTNOV	Tap cycle synchronous home return type
SECT_OP_G80	Fixed cycle for drilling
SECT_OP_TOOL_LIFE1	Tool life management 1
SECT_OP_TOOL_LIFE2	Tool life management 2
SECT_OP_G114_1	Spindle synchronization
SECT_OP_SP2_G96	Second spindle constant peripheral speed
SECT_OP_SP2_G33	Second spindle threading
SECT_OP_G114_4	Main axis superposition control
SECT_OP_MILL	Milling function
SECT_OP_HELICAL	Helical interpolation
SECT_OP_G173	Diagonal coordinate rotation command
SECT_OP_RNDTHREAD	Circular arc threading
SECT_OP_DIRECT_C_S1	Main axis C axis Direct first spindle
SECT_OP_DIRECT_C_S2	Main axis C axis Direct second main axis
SECT_OP_DIRECT_C_S3	Main axis C axis Direct third spindle

SECT_OP_DIRECT_C_S4	Main axis C axis Direct fourth spindle
SECT_OP_DIRECT_C_S5	Main axis C axis Direct fifth spindle
SECT_OP_DIRECT_C_S6	Main axis C axis Direct 6th main axis
SECT_OP_DIRECT_C_S7	Main axis C axis Direct 7th main axis
SECT_OP_DIRECT_C_S8	Main axis C axis direct 8th main axis
SECT_OP_GIOMETRIC	Geometric directive 1
SECT_OP_DATA_SET	G10 / G11
SECT_OP_G15	G14 / G15
SECT_OP_REF2	G 30
SECT_OP_SKIP	G31
SECT_OP_G34	G34
SECT_OP_SP2	G43 / G44
SECT_OP_MRC1	G70 / G71 / G72 / G73
SECT_OP_MRC2	G 74 / G 75 / G 76
SECT_OP_G76_1	G 76.1 / G 76.2
SECT_OP_G115	G115 / G116
SECT_OP_G117	G117
SECT_OP_SFTY_OBSRVATION	Safety monitoring function
SECT_OP_USER_G_MACRO	User open G code macro
SECT_NTO_OP01	Network option 01
SECT_NTO_OP02	Network option 02
SECT_NTO_OP03	Network option 03
SECT_NTO_OP04	Network option 04
SECT_NTO_OP05	Network option 05
SECT_NTO_OP06	Network option 06
SECT_NTO_OP07	Network option 07
SECT_NTO_OP08	Network option 08
SECT_NTO_OP09	Network option 09
SECT_NTO_OP10	Network option 11
SECT_NTO_OP11	Network option 11
SECT_NTO_OP12	Network option 12
SECT_NTO_OP13	Network option 13
SECT_NTO_OP14	Network options 14

SECT_NTO_OP15	Network option 15
SECT_NTO_OP16	Network option 16
SECT_NTO_OP17	Network option 17
SECT_NTO_OP18	Network option 18
SECT_NTO_OP19	Network option 19
SECT_NTO_OP20	Network option 20
SECT_NTO_OP21	Network option 21
SECT_NTO_OP22	Network option 22
SECT_NTO_OP23	Network option 23
SECT_NTO_OP24	Network option 24
SECT_NTO_OP25	Network option 25
SECT_NTO_OP26	Network options 26
SECT_NTO_OP27	Network options 27
SECT_NTO_OP28	Network option 28
SECT_NTO_OP29	Network options 29
SECT_NTO_OP30	Network option 30
SECT_NTO_OP31	Network options 31
SECT_NTO_OP32	Network option 32
SECT_NTO_OP33	Network option 33
SECT_NTO_OP34	Network option 34
SECT_NTO_OP35	Network option 35
SECT_NTO_OP36	Network option 36
SECT_NTO_OP37	Network options 37
SECT_NTO_OP38	Network options 38
SECT_NTO_OP39	Network option 39
SECT_NTO_OP40	Network option 40
SECT_NTO_OFSNU	Number of tool sets
SECT_NTO_TLFSZ	Tool life management tool count
SECT_NTO_PRSZ	Machining program storage capacity
SECT_NTO_VALTP	Common variable group number
SECT_SPDLDT_GBSP	GBsp
SECT_SPDLDT_SP(x)	Main axis parameter
SECT_SYS_AXISNO	

SECT_MP_ABS_E_G	Machine end
SET_OP_SYNC_TAP_S1(X,Y)	Spindle synchronized tap function (S1)
SET_OP_SYNC_TAP_S2(X,Y)	Spindle synchronous tapping function (S2)
SET_OP_SYNC_TAP_S3(X,Y)	Main axis synchronization tap function (S3)
SET_OP_SYNC_TAP_S4(X,Y)	Main axis synchronization tap function (S4)
SET_OP_SYNC_TAP_S5(X,Y)	Main axis synchronization tap function (S5)
SET_OP_SYNC_TAP_S6(X,Y)	Main axis synchronization tap function (S 6)
SET_OP_POLYGON(X,Y)	Polygon function
SET_OP_HOB(X,Y)	Hob function
SET_OP_STAP_ZRTN(X,Y)	Synchronous tap phase matching function
SET_OP_STAP_RTNOV(X,Y)	High-speed sync tap function
SET_OP_HELICAL(X,Y)	Helical interpolation function
SET_OP_G173(X,Y)	Diagonal helical interpolation function
SET_OP_RNDTHREAD(X,Y)	Arc threading function
SET_OP_DIRECT_C_S1(X,Y)	Main axis C axis Direct first spindle
SET_OP_DIRECT_C_S2(X,Y)	Main axis C axis Direct second main axis
SET_OP_DIRECT_C_S3(X,Y)	Main axis C axis Direct third spindle
SET_OP_DIRECT_C_S4(X,Y)	Main axis C axis Direct fourth spindle
SET_OP_DIRECT_C_S5(X,Y)	Main axis C axis Direct fifth spindle
SET_OP_DIRECT_C_S6(X,Y)	Main axis C axis Direct 6th main axis
SET_OP_DIRECT_C_S7(X,Y)	Main axis C axis Direct 7th main axis
SET_OP_DIRECT_C_S8(X,Y)	Main axis C axis direct 8th main axis
SET_OP_GIOMETRIC(X,Y)	Geometric directive 1
SET_OP_SFTY_OBSRVATION(X,Y)	Safety monitoring function
SET_OP_USER_G_MACRO(X,Y)	User open G code macro
GET_OP_STAP_RTNOV(X)	High-speed sync tap function
GET_OP_HELICAL(X)	Helical interpolation function
GET_OP_G173(X)	Diagonal helical interpolation function
GET_OP_RNDTHREAD(X)	Arc threading function
GET_OP_SYNC_TAP_S1(X)	Spindle synchronized tap function (S1)
GET_OP_SYNC_TAP_S2(X)	Spindle synchronous tapping function (S2)
GET_OP_SYNC_TAP_S3(X)	Main axis synchronization tap function (S3)
GET_OP_SYNC_TAP_S4(X)	Main axis synchronization tap function (S4)

GET_OP_SYNC_TAP_S5(X)	Main axis synchronization tap function (S5)
GET_OP_SYNC_TAP_S6(X)	Main axis synchronization tap function (S5)
GET_OP_POLYGON(X)	Polygon function
GET_OP_HOB(X)	Hob function
GET_OP_STAP_ZRTN(X)	Synchronous tap phase matching function
GET_OP_DIRECT_C_S1(X)	Main axis C axis Direct first spindle
GET_OP_DIRECT_C_S2(X)	Main axis C axis Direct second main axis
GET_OP_DIRECT_C_S3(X)	Main axis C axis Direct third spindle
GET_OP_DIRECT_C_S4(X)	Main axis C axis Direct fourth spindle
GET_OP_DIRECT_C_S5(X)	Main axis C axis Direct fifth spindle
GET_OP_DIRECT_C_S6(X)	Main axis C axis Direct 6th main axis
GET_OP_DIRECT_C_S7(X)	Main axis C axis Direct 7th main axis
GET_OP_DIRECT_C_S8(X)	Main axis C axis direct 8th main axis
GET_OP_GIOMETRIC(X)	Geometric directive 1
GET_OP_SFTY_OBSRVATION(X)	Safety monitoring function
GET_OP_USER_G_MACRO(X)	User open G code macro