

## A.2.2 List of Signals (In Order of Symbols)

○ : Available

● : Available only with multi path control

- : Unavailable

Group	Symbol	Signal name	Address	T series	M series
*	*+ED1 to *+ED8	External deceleration signals 1	G118	○	○
	*+ED21 to *+ED28	External deceleration signals 2	G101	○	○
	*+ED31 to *+ED38	External deceleration signals 3	G107	○	○
	*+ED41 to *+ED48	External deceleration signals 4	G341	○	○
	*+ED51 to *+ED58	External deceleration signals 5	G343	○	○
	*+L1 to *+L8	Overtravel signals	G114	○	○
	*-ED1 to *-ED8	External deceleration signals 1	G120	○	○
	*-ED21 to *-ED28	External deceleration signals 2	G103	○	○
	*-ED31 to *-ED38	External deceleration signals 3	G109	○	○
	*-ED41 to *-ED48	External deceleration signals 4	G342	○	○
	*-ED51 to *-ED58	External deceleration signals 5	G344	○	○
	*-L1 to *-L8	Overtravel signals	G116	○	○
	*ABSM	Manual absolute signal	G006.2	○	○
	*ACTF1 to *ACTF8	Actual speed display axis selection signals	G580	○	○
	*AFV0 to *AFV7	2nd feedrate override signals	G013	○	○
	*BSL	Block start interlock signal	G008.3	○	○
	*BECLP	B axis clamp completion signal	G038.7	-	○
	*BEUCP	B axis unclamp completion signal	G038.6	-	○
	*CDZ	Chamfering signal	G053.7	○	-
	*CHLD	Chopping/oscillation hold signal	G051.7	○	○
	*CHP1 to *CHP8	Chopping/oscillation feedrate override signals	G051.0 to G051.3	○	○
	*CL1 to *CL8	Dual position feedback compensation clamp signals	G548	○	○
	*CRTOF	Screen erasure disable signal	G062.1	○	○
	*CSL	Cutting block start interlock signal	G008.1	○	○
	*DEC1 to *DEC8	Reference position return deceleration signals	X009	○	○
			G196	○	○
	*EAXSL	Controlled axis selection status signals (PMC axis control)	F129.7	○	○
	*ESP	Emergency stop signals	X008.4, .0, .1	○	○
			G008.4	○	○
	*ESPA	Emergency stop signals (serial spindle)	G071.1	○	○
	*ESPB		G075.1	○	○
	*ESPC		G205.1	○	○
	*ESPD		G267.1	○	○
	*EFOV0 to *EFOV7	Feedrate override signals (for group 1 to 4) (PMC axis control)	G151	○	○
	*EFOV0B to *EFOV7B		G163	○	○
	*EFOV0C to *EFOV7C		G175	○	○
	*EFOV0D to *EFOV7D		G187	○	○
	*EROV0 to *EROV7	1% step rapid traverse override signals (for group 1 to 4) (PMC axis control)	G151	○	○
	*EROV0B to *EROV7B		G163	○	○
	*EROV0C to *EROV7C		G175	○	○
	*EROV0D to *EROV7D		G187	○	○

Group	Symbol	Signal name	Address	T series	M series
*	*FHRO0 to *FHRO9	0.1% rapid traverse override signals	G352.0 to G352.7 G353.0 to G353.1	○	○
	*FLWU	Follow-up signal	G007.5	○	○
	*FV0 to *FV7	Feedrate override signals	G012	○	○
	*FV00 to *FV70	Software operator's panel signal (*FV0 to *FV7)	F078	○	○
	*HROV0 to *HROV6	1% rapid traverse override signals	G096.0 to G096.6	○	○
	*IT	Interlock signal for all axes	G008.0	○	○
	*IT1 to *IT8	Interlock signal for each axis	G130	○	○
	*JV0 to *JV15	Manual feedrate override signals	G010,G011	○	○
	*JV00 to *JV150	Software operator's panel signal (*JV0 to *JV15)	F079,F080	○	○
	*PLSST	Polygon spindle stop signal	G038.0	○	○
	*SCPFA	Spindle clamp completion signal	G028.5	○	○
	*SCPFB		G401.1	○	○
	*SCPFC		G401.2	○	○
	*SCPFD		G401.3	○	○
	*SP	Feed hold signal	G008.5	○	○
	*SSTP	Spindle stop signal	G029.6	○	○
	*SSTP1	Individual spindle stop signals	G027.3	○	○
	*SSTP2		G027.4	○	○
	*SSTP3		G027.5	○	○
	*SSTP4		G026.6	○	○
	*SUCPFA	Spindle unclamp completion signal	G028.4	○	○
	*SUCPFB		G400.1	○	○
	*SUCPFC		G400.2	○	○
	*SUCPFD		G400.3	○	○
	*TLV0 to *TLV9	Tool life count override signals	G049.0 to G050.1	○	○
	*TSB	Tail stock barrier selection signal	G060.7	○	-
+	+EXL1 to +EXL8	Stored stroke check 1 switching signals in axis direction	G104	○	○
	+J1 to +J8	Feed axis and direction selection signals	G100	○	○
	+J10 to +J40	Software operator's panel signal (+J1 to +J4)	F081.0,F081.2, F081.4,F081.6	○	○
	+Jg,+Ja	Feed axis and direction selection signals	G086.0,G086.2	○	○
	+LM1 to +LM8	Stroke limit external setting signals	G110	○	○
	+MIT1,+MIT2	Tool offset write signals	X004.2,X004.4 G132.0,G132.1	○	-
	+MIT1	Tool offset write signals	G132.0	-	○
	+MIT1 to +MIT8	Interlock signal for each axis direction	G132	-	○
	+OT1 to +OT8	Overtravel alarm signals	F124	○	○
	+OT11	Stored stroke limit range switching selection signals	G597.0	○	○
	+OT12		G597.2	○	○
	+OT2		G597.4	○	○
	+OT3		G597.6	○	○

Group	Symbol	Signal name	Address	T series	M series
+	+OT11C	Stored stroke limit range switching cancellation signals	G598.0	○	○
	+OT12C		G598.2	○	○
	+OT2C		G598.4	○	○
	+OT3C		G598.6	○	○
	+OT11O	Stored stroke limit range switching confirmation signals	F598.0	○	○
	+OT12O		F598.2	○	○
	+OT2O		F598.4	○	○
	+OT3O		F598.6	○	○
-	-EXL1 to -EXL8	Stored stroke check 1 switching signals in axis direction	G105	○	○
	-J1 to -J8	Feed axis and direction selection signals	G102	○	○
	-J10 to -J40	Software operator's panel signal (-J1 to -J4)	F081.1,F081.3, F081.5,F081.7	○	○
	-Jg,-Ja	Feed axis and direction selection signals	G086.1,G086.3	○	○
	-LM1 to -LM8	Stroke limit external setting signals	G112	○	○
	-MIT1,-MIT2	Tool offset write signals	X004.3,X004.5 G134.0,G134.1	○	-
	-MIT1 to -MIT8	Interlock signal for each axis direction	G134	-	○
	-OT1 to -OT8	Overtravel alarm signals	F126	○	○
	-OT11	Stored stroke limit range switching selection signals	G597.1	○	○
	-OT12		G597.3	○	○
	-OT2		G597.5	○	○
	-OT3		G597.7	○	○
	-OT11C	Stored stroke limit range switching cancellation signals	G598.1	○	○
	-OT12C		G598.3	○	○
	-OT2C		G598.5	○	○
	-OT3C		G598.7	○	○
	-OT11O	Stored stroke limit range switching confirmation signals	F598.1	○	○
	-OT12O		F598.3	○	○
	-OT2O		F598.5	○	○
	-OT3O		F598.7	○	○
A	ABDT1 to ABDT8	Unexpected disturbance torque detection signal	F184	○	○
	ABTQSV	Servo axis unexpected disturbance torque detection signal	F090.0	○	○
	ABTSP1	1st spindle unexpected disturbance torque detection signal	F090.1	○	○
	ABTSP2	2nd spindle unexpected disturbance torque detection signal	F090.2	○	○
	ABTSP3	3rd spindle unexpected disturbance torque detection signal	F090.3	○	○
	ABTSP4	4th spindle unexpected disturbance torque detection signal	F091.4	○	○

Group	Symbol	Signal name	Address	T series	M series
A	ACDEC	In-acceleration/deceleration signal	F520.3	-	○
	ADCO	Auxiliary function output block reverse movement enable output signal	F091.5	○	○
	AFL	Auxiliary function lock signal	G005.6	○	○
	AICC	AI contour control mode signal	F062.0	○	○
	AL	Alarm signal	F001.0	○	○
	ALLO	NC data output signal	F578.5	○	○
	ALMA	Alarm signals (serial spindle)	F045.0	○	○
	ALMB		F049.0	○	○
	ALMC		F168.0	○	○
	ALMD		F266.0	○	○
	ALNGH	Tool axis direction feed mode signal	G023.7	○	○
	AR00 to AR15	Actual spindle speed signals	F040,F041	○	○
	AR002 to AR152		F202,F203	○	○
	AR003 to AR153		F206,F207	○	○
	AR004 to AR154		F272,F273	○	○
	ARE00 to ARE31	Extended actual spindle speed signals	F580 to F583	○	○
	ARE002 to ARE312		F584 to F587	○	○
	ARE003 to ARE313		F588 to F591	○	○
	ARE004 to ARE314		F592 to F595	○	○
	ARSTA	Alarm reset signals (serial spindle)	G071.0	○	○
	ARSTB		G075.0	○	○
	ARSTC		G205.0	○	○
	ARSTD		G267.0	○	○
	ASNST	Assignment start signal	G536.3	○	○
	ASNE	Assignment completion signal	F536.3	○	○
	ASTC	Chamfering for arbitrary speed threading signal	G549.6	○	○
	ATBK	Automatic data backup executing signal	F520.0	○	○
	AUTPHA to AUTPHD	Flexible synchronization control automatic phase synchronization signals	G381.0 to G381.3	○	○
	AXC1	Axis switching signals	G534.0	○	○
	AXC2		G534.1	○	○
	AXC4		G534.2	○	○
B	B00 to B31	2nd auxiliary function code signals	F030 to F033	○	○
	BAL	Battery alarm signal	F001.2	○	○
	BCAN	Block cancel signal	G297.0	○	○
	BCLP	B axis clamp signal	F061.1	-	○
	BDT1	Optional block skip signals	G044.0	○	○
	BDT2 to BDT9		G045	○	○
	BDTO	Software operator's panel signal (BDT)	F075.2	○	○
	BF	2nd auxiliary function strobe signal	F007.7	○	○
	BFIN	2nd auxiliary function completion signal	G005.7	○	○
	BGEACT	Background editing signal	F053.4	○	○

Group	Symbol	Signal name	Address	T series	M series
B	BOV	High-speed cycle machining override selection signal	G518.0	○	○
	BUCLP	B axis unclamp signal	F061.0	-	○
C	C2SEND	Dual display forcible end request signal	G295.6	○	○
	C2SENO	Dual display forcible end status signal	F295.6	○	○
	CDCEX	Notification signal for modification of C Language Executor program	F558.0	○	○
	CDDCL	Notification signal for modification of Dual Check Safety PMC Ladder program	F558.4	○	○
	CDLAD1	Notification signal for modification of 1st path PMC Ladder program	F558.1	○	○
	CDLAD2	Notification signal for modification of 2nd path PMC Ladder program	F558.2	○	○
	CDLAD3	Notification signal for modification of 3rd path PMC Ladder program	F558.3	○	○
	CDLAD4	Notification signal for modification of 4th path PMC Ladder program	F558.6	○	○
	CDLAD5	Notification signal for modification of 5th path PMC Ladder program	F558.7	○	○
	CDPRM	Notification signal for modification of CNC parameter	F558.5	○	○
	CFINA	Spindle switch completion signals (serial spindle)	F046.1	○	○
	CFINB		F050.1	○	○
	CFINC		F169.1	○	○
	CFIND		F267.1	○	○
	CHPA	Power line switch signals (serial spindle)	F046.0	○	○
	CHPB		F050.0	○	○
	CHPC		F169.0	○	○
	CHPD		F267.0	○	○
	CHPCYL	Oscillation cycle signal	F039.3	○	○
	CHPMD	Oscillation -in-progress signal	F039.2	○	○
	CHPST	Oscillation start signal	G051.6	○	○
	CLRCH1 to CLRCH8	Torque limit reach signals for reference pointsetting with mechanical stopper	F180	○	○
	CNCKY	Key control selection signal	G295.7	○	○
	CNCKYO	Key control selection status signal	F295.7	○	○
	CON	Cs contour control change signal	G027.7	○	○
	CONH1	Cs contour control high speed switching signals	G549.0	○	○
	CONH2		G549.1	○	○
	CONH3		G549.2	○	○
	CONH4		G549.3	○	○

Group	Symbol	Signal name	Address	T series	M series
C	CONS1	Cs contour control change signal (for each spindle)	G274.0	○	○
	CONS2		G274.1	○	○
	CONS3		G274.2	○	○
	CONS4		G274.3	○	○
	COSP	Path spindle command confirmation signal	F064.5	●	●
	COSP1	Path spindle command confirmation signal	F063.3	●	●
	COSP2		F063.4	●	●
	COSP3		F404.0	●	●
	COSP4		F404.1	●	●
	CS1DTA	One-rotation signal detection status signal for Cs contour control (serial spindle)	F047.6	○	○
	CS1DTB		F051.6	○	○
	CS1DTC		F170.6	○	○
	CS1DTD		F268.6	○	○
	CSFI1	Cs axis coordinate establishment request signals	G274.4	○	○
	CSFI2		G274.5	○	○
	CSFI3		G274.6	○	○
	CSFI4		G274.7	○	○
	CSFO1	Cs axis coordinate establishment alarm signals	F274.4	○	○
	CSFO2		F274.5	○	○
	CSFO3		F274.6	○	○
	CSFO4		F274.7	○	○
	CSMC1	Cs contour control high speed switching completion signals	F546.0	○	○
	CSMC2		F546.1	○	○
	CSMC3		F546.2	○	○
	CSMC4		F546.3	○	○
	CSPENA	Cs axis origin established state signals	F048.4	○	○
	CSPENB		F052.4	○	○
	CSPENC		F171.4	○	○
	CSPEND		F269.4	○	○
	CSS	Constant surface speed signal	F002.2	○	○
	CSYCA	Reference position establishment starting signal (serial spindle)	G304.3	○	○
	CSYCB		G308.3	○	○
	CSYCC		G312.3	○	○
	CSYCD		G316.3	○	○
	CSYFNA	Reference position establishment completion signal (serial spindle)	F047.7	○	○
	CSYFNB		F051.7	○	○
	CSYFNC		F170.7	○	○
	CSYFND		F268.7	○	○
	CTC2	Time constant of acceleration / deceleration after interpolation for cutting feed switching signals	G599.4	○	○
	CTC3		G599.5	○	○
	CTC2O	Time constant of acceleration / deceleration after interpolation for cutting feed switching confirmation signals	F599.4	○	○
	CTC3O		F599.5	○	○
	CTH1A,CTH2A	Clutch/gear signals (serial spindle)	G070.3,G070.2	○	○
	CTH1B,CTH2B		G074.3,G074.2	○	○
	CTH1C,CTH2C		G204.3,G204.2	○	○
	CTH1D,CTH2D		G266.3,G266.2	○	○
	CUT	Cutting feed signal	F002.6	○	○

Group	Symbol	Signal name	Address	T series	M series
D	D3MI	3-dimensional coordinate conversion manual interrupt mode in-progress signal	F347.7	○	○
	D3ROT	Three-dimensional coordinate conversion mode signal	F062.6	○	○
	DASN	Direct assignment mode signal	G536.5	○	○
	DEFMDA	Differential speed mode command signals (serial spindle)	G072.3	○	○
	DEFMDB		G076.3	○	○
	DEFMDC		G206.3	○	○
	DEFMDD		G268.3	○	○
	DEN	Distribution completion signals	F001.3	○	○
	DFSVC	Differential speed synchronization command signal	G022.4	○	○
	DI1 to DI8	Diameter/radius specification switch signals	G296	○	○
	DM1 to DM8	Diameter/radius specification switching in-progress signals	F296	○	○
	DM00	Decode M signals	F009.7	○	○
	DM01		F009.6	○	○
	DM02		F009.5	○	○
	DM30		F009.4	○	○
	DMMC	Direct operation select signal	G042.7	○	○
	DNCI	DNC operation select signal	G043.5	○	○
	DNCIR	Mode notification signal	F513.5	○	○
	DNTCLR	DeviceNet communication error clear signal	G518.4	○	○
	DNTCM	DeviceNet communication normal signal	F290.2	○	○
	DENTER	DeviceNet communication abnormal signal	F545.4	○	○
	DRN	Dry run signal	G046.7	○	○
	DRNO	Software operator's panel signal (DRN)	F075.5	○	○
	DSCNA	Disconnection detection disable signal (serial spindle)	G073.4	○	○
	DSCNB		G077.4	○	○
	DSCNC		G207.4	○	○
	DSCND		G269.4	○	○
	DTCH1 to DTCH8	Controlled axis detach signals	G124	○	○
	DVCPR	External device program execution signal	F531.6	○	○
	DWL	Dwell status signal	F526.5	○	○
E	EA6 to EA0	Address signals for external data input	G002.6 to G002.0	○	○
	EABUFA	Buffer full signals (for group 1 to 4) (PMC axis control)	F131.1	○	○
	EABUFB		F134.1	○	○
	EABUFC		F137.1	○	○
	EABUFD		F140.1	○	○
	EACNT1 to EACNT8	Controlling signals (PMC axis control)	F182	○	○
	EADEN1 to EADEN8	Distribution completion signals (PMC axis control)	F112	○	○
	EAX1 to EAX8	Control axis selection signals (PMC axis control)	G136	○	○

Group	Symbol	Signal name	Address	T series	M series
E	EBSYA	Axis control command read completion signals (for group 1 to 4) (PMC axis control)	F130.7	○	○
	EBSYB		F133.7	○	○
	EBSYC		F136.7	○	○
	EBSYD		F139.7	○	○
	EBUFA	Axis control command read signal (for group 1 to 4) (PMC axis control)	G142.7	○	○
	EBUFB		G154.7	○	○
	EBUFC		G166.7	○	○
	EBUFD		G178.7	○	○
	EC0A to EC6A	Axis control command signals (for group 1 to 4) (PMC axis control)	G143.0 to G143.6	○	○
	EC0B to EC6B		G155.0 to G155.6	○	○
	EC0C to EC6C		G167.0 to G167.6	○	○
	EC0D to EC6D		G179.0 to G179.6	○	○
	ECKZA	Following zero checking signals (for group 1 to 4) (PMC axis control)	F130.1	○	○
	ECKZB		F133.1	○	○
	ECKZC		F136.1	○	○
	ECKZD		F139.1	○	○
	ECLRA	Reset signal (for group 1 to 4) (PMC axis control)	G142.6	○	○
	ECLRB		G154.6	○	○
	ECLRC		G166.6	○	○
	ECLRD		G178.6	○	○
	ED31 to ED0	Data signals for external data input	G211,G210, G001,G000	○	○
	EDENA	Auxiliary function executing signals (for group 1 to 4) (PMC axis control)	F130.3	○	○
	EDENB		F133.3	○	○
	EDENC		F136.3	○	○
	EDEND		F139.3	○	○
	EDRN	Dry run signal (PMC axis control)	G150.7	○	○
	EFINA	Auxiliary function completion signal (for group 1 to 4) (PMC axis control)	G142.0	○	○
	EFINB		G154.0	○	○
	EFINC		G166.0	○	○
	EFIND		G178.0	○	○
	EGENA	Axis moving signals (for group 1 to 4) (PMC axis control)	F130.4	○	○
	EGENB		F133.4	○	○
	EGENC		F136.4	○	○
	EGEND		F139.4	○	○
	EGBM1 to EGBM8	EGB mode confirmation signals	F208	○	○
	EGBS	EGB synchronization mode selection signal	G067.4	○	○
	EGBS1 to EGBS8	EGB synchronization start signals	G530	○	○
	EGBSM	EGB synchronization mode confirmation signal	F082.6	○	○
	EIALA	Alarm signal (for group 1 to 4) (PMC axis control)	F130.2	○	○
	EIALB		F133.2	○	○
	EIALC		F136.2	○	○
	EIALD		F139.2	○	○
	EID0A to EID31A	Axis control data signals (for group 1 to 4) (PMC axis control)	G146 to G149	○	○
	EID0B to EID31B		G158 to G161	○	○
	EID0C to EID31C		G170 to G173	○	○
	EID0D to EID31D		G182 to G185	○	○



Group	Symbol	Signal name	Address	T series	M series
E	EIF0A to EIF15A	Axis control feedrate signals (for group 1 to 4) (PMC axis control)	G144,G145	○	○
	EIF0B to EIF15B		G156,G157	○	○
	EIF0C to EIF15C		G168,G169	○	○
	EIF0D to EIF15D		G180,G181	○	○
	EINPA	In-position signal (for group 1 to 4) (PMC axis control)	F130.0	○	○
	EINPB		F133.0	○	○
	EINPC		F136.0	○	○
	EINPD		F139.0	○	○
	EKC0 to EKC7	Key code signals	G098	○	○
	EKENB	Key code read completion signal	F053.7	○	○
	EKSET	Key code read signal	G066.7	○	○
	ELCKZA	Accumulated zero check signal (for group 1 to 4) (PMC axis control)	G142.1	○	○
	ELCKZB		G154.1	○	○
	ELCKZC		G166.1	○	○
	ELCKZD		G178.1	○	○
	EM11A to EM48A	Auxiliary function code signals (for group 1 to 4) (PMC axis control)	F132,F142	○	○
	EM11B to EM48B		F135,F145	○	○
	EM11C to EM48C		F138,F148	○	○
	EM11D to EM48D		F141,F151	○	○
	EMBUFA	Buffering disable signal (for group 1 to 4) (PMC axis control)	G142.2	○	○
	EMBUFB		G154.2	○	○
	EMBUFC		G166.2	○	○
	EMBUFD		G178.2	○	○
	EMFA	Auxiliary function strobe signal (for group 1 to 4) (PMC axis control)	F131.0	○	○
	EMFB		F134.0	○	○
	EMFC		F137.0	○	○
	EMFD		F140.0	○	○
	EMF2A	Auxiliary function 2 strobe signal (for group 1 to 4) (PMC axis control)	F131.2	○	○
	EMF2B		F134.2	○	○
	EMF2C		F137.2	○	○
	EMF2D		F140.2	○	○
	EMF3A	Auxiliary function 3 strobe signal (for group 1 to 4) (PMC axis control)	F131.3	○	○
	EMF3B		F134.3	○	○
	EMF3C		F137.3	○	○
	EMF3D		F140.3	○	○
	EMSBKA	Block stop disable signal (for group 1 to 4) (PMC axis control)	G143.7	○	○
	EMSBKB		G155.7	○	○
	EMSBKC		G167.7	○	○
	EMSBKD		G179.7	○	○
	EMZ0 to EMZ15	Extended external machine zero point shift signal	Specifying by parameter No.1280.	○	○
	ENB	Spindle enable signal	F001.4	○	○
	ENB2		F038.2	○	○
	ENB3		F038.3	○	○
	ENB4		F039.1	○	○
	ENBKY	External key input mode selection signal	G066.1	○	○
	EOTNA	Negative-direction overtravel signals (for group 1 to 4) (PMC axis control)	F130.6	○	○
	EOTNB		F133.6	○	○
	EOTNC		F136.6	○	○
	EOTND		F139.6	○	○

Group	Symbol	Signal name	Address	T series	M series
E	EOTPA	Positive-direction overtravel signals (for group 1 to 4) (PMC axis control)	F130.5	○	○
	EOTPB		F133.5	○	○
	EOTPC		F136.5	○	○
	EOTPD		F139.5	○	○
	EOV0	Override 0% signal (PMC axis control)	F129.5	○	○
	EOVC	Override cancellation signal (for group 1 to 4) (PMC axis control)	G150.5	○	○
	EOVCB		G162.5	○	○
	EOVCC		G174.5	○	○
	EOVCD		G186.5	○	○
	EPN0 to EPN13	Extended external workpiece number search signals	G024.0 to G025.5	○	○
	EPNS	External workpiece number search start signal	G025.7	○	○
	EREND	Read completion signal for external data input	F060.0	○	○
	EROV1,EROV2	Rapid traverse override signals (PMC axis control)	G150.0,G150.1	○	○
	ERS	External reset signal	G008.7	○	○
	ERT	Manual rapid traverse selection signal (PMC axis control)	G150.6	○	○
	ERTVA	Automatic screen erasure status in-progress signal	F006.2	○	○
	ESBKA	Block stop signal (for group 1 to 4) (PMC axis control)	G142.3	○	○
	ESBKB		G154.3	○	○
	ESBKC		G166.3	○	○
	ESBKD		G178.3	○	○
	ESCAN	Search cancel signal for external data input	F060.2	○	○
	ESEND	Search completion signal for external data input	F060.1	○	○
	ESKIP	Skip signal (PMC axis control)	X004.6	○	○
	ESOFA	Servo-off signal (for group 1 to 4) (PMC axis control)	G142.4	○	○
	ESOFB		G154.4	○	○
	ESOFC		G166.4	○	○
	ESOFD		G178.4	○	○
	ESRSYC	Spindle command synchronous control signal	G064.6	○	○
	ESSYC1	Spindle command synchronous control signal (for each spindle)	G264.0	○	○
	ESSYC2		G264.1	○	○
	ESSYC3		G264.2	○	○
	ESSYC4		G264.3	○	○
	ESTB	Read signal for external data input	G002.7	○	○
	ESTPA	Axis control temporary stop signal (for group 1 to 4) (PMC axis control)	G142.5	○	○
	ESTPB		G154.5	○	○
	ESTPC		G166.5	○	○
	ESTPD		G178.5	○	○
	ESTPR	Axis immediate stop start signal	G203.3	○	○
	EUI00 to EUI15	Input signals for P-code macro	G082,G083	○	○
	EUO00 to EUO15	Output signals for P-code macro	F084,F085	○	○
	EXCST	Exchange start signal	G536.4	○	○
	EXCED	Exchange completion signal	F536.4	○	○

Group	Symbol	Signal name	Address	T series	M series
E	EXLM, EXLM2, EXLM3	Stored stroke check 1 select signals	G007.6, G531.6, G531.7	○	○
	EXOFA	Motor excitation off state signal (serial spindle)	F047.4	○	○
	EXOFB		F051.4	○	○
	EXOFC		F170.4	○	○
	EXOFD		F268.4	○	○
	EXINP	External input start signal	G058.1	○	○
	EXSTP	External input/output stop signal	G058.2	○	○
	EXOUT	External output start signal	G058.3	○	○
F	F1D	One-digit F code feed signal	G016.7	-	○
	FEED0	Feed zero signal	F066.2	○	○
	FHROV	0.1% step rapid traverse override selection signal	G353.7	○	○
	FIN	End signal	G004.3	○	○
	FCSS1	Cs contour control change completion signal (for each spindle)	F274.0	○	○
	FCSS2		F274.1	○	○
	FCSS3		F274.2	○	○
	FCSS4		F274.3	○	○
	FLANG	Display language switch completion signal	F545.0	○	○
	FRDTEA	Adaptive resonance elimination filter search completion signal (serial spindle)	F307.0	○	○
	FRDTEB		F309.0	○	○
	FRDTEC		F311.0	○	○
	FRDTEd		F313.0	○	○
	FRFSMA	Adaptive resonance elimination filter search mode signal (serial spindle)	G304.7	○	○
	FRFSMB		G308.7	○	○
	FRFSMC		G312.7	○	○
	FRFSMD		G316.7	○	○
	FSCSL	Cs contour control change completion signal	F044.1	○	○
	FSPPH	Spindle phase synchronization control completion signal	F044.3	○	○
	FSPPH1	Spindle phase synchronization control completion signal (for each spindle)	F289.0	○	○
	FSPPH2		F289.1	○	○
	FSPPH3		F289.2	○	○
	FSPPH4		F289.3	○	○
	FSPSY	Spindle synchronous speed control completion signal	F044.2	○	○
	FSPSY1	Spindle synchronous speed control completion signal (for each spindle)	F288.0	○	○
	FSPSY2		F288.1	○	○
	FSPSY3		F288.2	○	○
	FSPSY4		F288.3	○	○
	FSYSA	Flexible synchronization control mode selecting signal	F553.4	○	○
	FSYSB		F553.5	○	○
	FSYSC		F553.6	○	○
	FSYSD		F553.7	○	○
	FWSTP	Forward movement prohibition signal	G531.0	○	○

Group	Symbol	Signal name	Address	T series	M series
G	G2RVX	Tool offset direction signal	G090.0	○	-
	G2RVY		G090.2	○	-
	G2RVZ		G090.1	○	-
	G2SLC	2nd geometry tool offset signal	G090.7	○	-
	G2X	2nd geometry tool offset axis select signal	G090.4	○	-
	G2Y		G090.6	○	-
	G2Z		G090.5	○	-
	GAE1	Measuring position reached signals	G517.0	○	○
	GAE2		G517.1	○	○
	GAE3		G517.2	-	○
	GIS	Servo loop gain / in-position width switching signal	G599.3	○	○
	GISO	Servo loop gain / in-position width switching confirmation signal	F599.3	○	○
	GOQSM	Tool offset measurement mode selection signal	G039.7	—	○
	GOQSM	Tool offset write mode select signal	G039.7	○	—
	GQSMC	Tool offset write mode select signal (for milling and turning function)	G546.7	-	○
	GR1,GR2	Gear selection signals (input)	G028.1,G028.2	○	○
	GR10,GR20,GR30	Gear selection signals (output)	F034.0 to F034.2	-	○
	GR21,GR22	Gear selection signals (input)	G029.0,G029.1	○	○
	GR31,GR32		G029.2,G029.3	○	○
	GR41,GR42		G031.4,G031.5	○	○
	GTMC	Groove of thread measurement completion signal	F546.4	○	○
H	GTME	Groove of thread measurement error signal	F546.5	○	○
	GTMSR	Groove of thread measurement signal	G549.4	○	○
	HBTRN	Dual position feedback turning mode selection signal	G531.3	○	○
	HCAB2	Hard copy cancellation request reception signal	F061.2	○	○
	HCABT	Hard copy cancellation request signal	G067.6	○	○
	HCEXE	Hard copy execution status signal	F061.3	○	○
	HCREQ	Hard copy execution request signal	G067.7	○	○
	HCSKP1 to 4	High-speed cycle machining skip selection signals	G065.4 to G065.7	○	○
	HDN	Manual handle feed direction inversion signal	G347.1	○	○
	HDO0 to HDO7	High-speed skip status signals	F122	○	○
	HDSR	Selecting direction of manual handle rotation signal	G193.3	○	○

Group	Symbol	Signal name	Address	T series	M series
H	HEAD	Path select signal (Tool post select signal)	G063.0	●	●
	HEAD2	Path select signal 2 (Tool post select signal 2)	G062.7	●	●
	HEAD3	Path select signal 3 (Tool post select signal 3)	G408.1	●	●
	HEAD4	Path select signal 4 (Tool post select signal 4)	G408.2	●	●
	HF1A	Resonance elimination filter 1 disable signal (serial spindle)	G305.0	○	○
	HF1B		G309.0	○	○
	HF1C		G313.0	○	○
	HF1D		G317.0	○	○
	HF2A	Resonance elimination filter 2 disable signal (serial spindle)	G305.1	○	○
	HF2B		G309.1	○	○
	HF2C		G313.1	○	○
	HF2D		G317.1	○	○
	HF3A	Resonance elimination filter 3 disable signal (serial spindle)	G305.2	○	○
	HF3B		G309.2	○	○
	HF3C		G313.2	○	○
	HF3D		G317.2	○	○
	HF4A	Resonance elimination filter 4 disable signal (serial spindle)	G305.3	○	○
	HF4B		G309.3	○	○
	HF4C		G313.3	○	○
	HF4D		G317.3	○	○
	HNDLF	Manual handle feed maximum feedrate change signal	G023.3	○	○
	HNDMP	Manual pulse magnification change signal	G088.3	○	○
	HPMERR	Programs save error signal	F547.7	○	○
	HPMNTS	Programs not saved status signal	F547.5	○	○
	HPMRSV	All programs save request signal	G514.4	○	○
	HPMSVM	Programs saving in progress signal	F547.6	○	○
	HPS01 to HPS16	High-speed position switch signals	F293, F294	○	○
			Y***, Y***+1	○	○
	HROV	1% step rapid traverse override selection signals	G096.7	○	○
	HREV	Handle-synchronous feed signal	G023.4	○	○
	HS1A to HS1D, HS1E	Manual handle feed axis selection signals	G018.0 to G018.3, G411.0	○	○
	HS1AO	Software operator's panel signal (HS1A)	F077.0	○	○
	HS1BO	Software operator's panel signal (HS1B)	F077.1	○	○
	HS1CO	Software operator's panel signal (HS1C)	F077.2	○	○
	HS1DO	Software operator's panel signal (HS1D)	F077.3	○	○

Group	Symbol	Signal name	Address	T series	M series
H	HS1IA to HS1ID, HS1IE	Manual handle interrupt axis selection signals	G041.0 to G041.3, G411.4	○	○
	HS2A to HS2D, HS2E	Manual handle feed axis selection signals	G018.4 to G018.7, G411.1	○	○
	HS2IA to HS2ID, HS2IE	Manual handle interrupt axis selection signals	G041.4 to G041.7, G411.5	○	○
	HS3A to HS3D, HS3E	Manual handle feed axis selection signals	G019.0 to G019.3, G411.2	○	○
	HS3IA to HS3ID, HS3IE	Manual handle interrupt axis selection signals	G042.0 to G042.3, G411.6	○	○
	HS4A to HS4D, HS4E	Manual handle feed axis selection signals	G020.0 to G020.3, G411.3	○	○
	HS4IA to HS4ID, HS4IE	Manual handle interrupt axis selection signals	G088.4 to G088.7, G411.7	○	○
	HS5A to HS5D, HS5E	Manual handle feed axis selection signals	G379.0 to G379.3, G412.0	○	○
	HS5IA to HS5ID, HS5IE	Manual handle interrupt axis selection signals	G379.4 to G379.7, G412.4	○	○
	HSBIN	High-speed cycle machining in-progress signal	F092.7	○	○
		High-speed machining in-progress signal	F092.7	○	○
	HSRA	High-speed cycle machining retract in-progress signal	F062.2	○	○
		High-speed binary program operation retract in-progress signal	F062.2	○	○
	HSRT	High-speed cycle machining retract selection signal	G065.3	○	○
		High-speed binary program operation retract selection signal	G065.3	○	○
	HSST	High-speed cycle machining immediate stop signal	G589.4	○	○
I	IGNVRY	All-axis VRDY off alarm ignore signal	G066.0	○	○
	IGVRY1 to IGVRY8	Each-axis VRDY off alarm ignore signal	G192	○	○
	INCH	Inch input signal	F002.0	○	○
	INCMDA	Incremental command externally set orientation signals (serial spindle)	G072.5	○	○
	INCMDB		G076.5	○	○
	INCMDC		G206.5	○	○
	INCMDD		G268.5	○	○
	INCSTA	Incremental orientation mode signals (serial spindle)	F047.1	○	○
	INCSTB		F051.1	○	○
	INCSTC		F170.1	○	○
	INCSTD		F268.1	○	○
	INDXA	Orientation stop position change command signals (serial spindle)	G072.0	○	○
	INDXB		G076.0	○	○
	INDXC		G206.0	○	○
	INDXD		G268.0	○	○

Group	Symbol	Signal name	Address	T series	M series
I	INESFNA	Inertia estimation completion signal (serial spindle)	F307.2	○	○
	INESFNB		F309.2	○	○
	INESFNC		F311.2	○	○
	INESFND		F313.2	○	○
	INESTRA	Inertia estimation start signal (serial spindle)	G304.6	○	○
	INESTRB		G308.6	○	○
	INESTRC		G312.6	○	○
	INESTRD		G316.6	○	○
	INFD	In-feed control cut start signal	G063.6	-	○
	INHKEY	Key input disable signal	F053.0	○	○
	INIST	Initial axis assignment signal	F536.7	○	○
	INP1 to INP8	In-position signals	F104	○	○
	INTGA	Speed integral signals (serial spindle)	G071.5	○	○
	INTGB		G075.5	○	○
	INTGC		G205.5	○	○
	INTGD		G267.5	○	○
	IOALM	Input/output alarm signal	F053.3	○	○
	IOBSY	Input/output busy signal	F053.2	○	○
	IOLBH1, IOLBH2	Manual handle generators selection signal	G199.0, G199.1	○	○
	IOLBR	β ready signal	F531.7	○	○
	IRTKY	Reset key input invalid signal	G299.7	○	○
	ITF01 to ITF10	Path interference check association signal	G406.0 to G407.1	●	-
	IUDD1 to IUDD8	Unexpected disturbance torque detection ignore signal	G125	○	○
K	KEY1 to KEY4	Memory protection signals	G046.3 to G046.6	○	○
	KEYO	Software operator's panel signal (KEY1 to KEY4)	F075.6	○	○
	KEYP	Memory protection signal	G046.0	○	○
L	LANG1 to LANG7	Display language setting signals	G581.0 to G581.6	○	○
	LDT1A	Load detection signals 1 (serial spindle)	F045.4	○	○
	LDT1B		F049.4	○	○
	LDT1C		F168.4	○	○
	LDT1D		F266.4	○	○
	LDT2A	Load detection signals 2(serial spindle)	F045.5	○	○
	LDT2B		F049.5	○	○
	LDT2C		F168.5	○	○
	LDT2D		F266.5	○	○
	LFCIF	Tool life counting disabled signal	F093.2	○	○
	LFCIV	Tool life counting disable signal	G048.2	○	○
	LIFOVR	Periodic maintenance lifetime warning signal	F093.0	○	○
M	M00 to M31	Auxiliary function code signals	F010 to F013	○	○
	M200 to M215	2nd M function code signals	F014 to F015	○	○
	M200 to M231		F014 to F017		
	M300 to M315	3rd M function code signals	F016 to F017	○	○
	M300 to M331		F564 to F567		
	M400 to M431	4th M function code signals	F568 to F571	○	○
	M500 to M531	5th M function code signals	F572 to F575	○	○

Group	Symbol	Signal name	Address	T series	M series
M	M3R	Three-dimensional coordinate system conversion manual interruption switch signal	G031.3	○	○
	MA	CNC ready signal	F001.7	○	○
	MABSM	Manual absolute check signal	F004.2	○	○
	MAFL	Auxiliary function lock check signal	F004.4	○	○
	MBCAN	Block cancel acknowledgement signal	F297.0	○	○
	MBDT1	Optional block skip check signals	F004.0	○	○
	MBDT2 to MBDT9		F005	○	○
	MBSO	Middle block start signal	F534.4	○	○
	MCEX1 to MCEX16	Call program confirmation signal	F514,F515	○	○
	MCEXE	Macro call executing signal	F512.0	○	○
	MCFIN	Mode change completion signal	G514.0	○	○
	MCFNA	Power line switch completion signals (serial spindle)	G071.3	○	○
	MCFNB		G075.3	○	○
	MCFNC		G205.3	○	○
	MCFND		G267.3	○	○
	MCHK	Handle available signal in checking mode	G067.3	○	○
	MCRQ	Mode change request signal	F512.1	○	○
	MCSP	Abnormal end signal	F512.2	○	○
	MCST1 to MCST16	Macro call start signal	G512,G513	○	○
	MD1,MD2,MD4	Mode selection signals	G043.0 to G043.2	○	○
	MD1O	Software operator's panel signal (MD1)	F073.0	○	○
	MD1R	Mode notification signal	F513.0	○	○
	MD2O	Software operator's panel signal (MD2)	F073.1	○	○
	MD2R	Mode notification signal	F513.1	○	○
	MD4O	Software operator's panel signal (MD4)	F073.2	○	○
	MD4R	Mode notification signal	F513.2	○	○
	MDIRST	MDI reset confirmation signal	F006.1	○	○
	MDOFF1 to MDOFF4	Spindle control mode off signals	G586.4 to G586.7	○	○
	MDRN	Dry run check signal	F002.7	○	○
	MDTCH1 to MDTCH8	Controlled axis detach status signals	F110	○	○
	MEDT	Program edit selection check signal	F003.6	○	○
	MF	Auxiliary function strobe signals	F007.0	○	○
	MF2	2nd M function strobe signal	F008.4	○	○
	MF3	3rd M function strobe signal	F008.5	○	○
	MF4	4th M function strobe signal	F008.6	○	○
	MF5	5th M function strobe signal	F008.7	○	○
	MFIN	Auxiliary function completion signal	G005.0	○	○
	MFIN2	2nd M function completion signal	G004.4	○	○
	MFIN3	3rd M function completion signal	G004.5	○	○



Group	Symbol	Signal name	Address	T series	M series
M	MFIN4	4th M function completion signal	G004.6	○	○
	MFIN5	5th M function completion signal	G004.7	○	○
	MFNHGA	Spindle switch MAIN MCC contact status signals (serial spindle)	G072.6	○	○
	MFNHGB		G076.6	○	○
	MFNHGC		G206.6	○	○
	MFNHGD		G268.6	○	○
	MFSYNA,MFSYNB MFSYNC,MFSYND	Flexible synchronization control mode status signals	F197.0 to F197.3	○	○
	MH	Manual handle feed selection check signal	F003.1	○	○
	MHLC1 to MHLC5	Manual linear/circular interpolation signals	G544.0 to G544.4	○	○
	MHUS1 to MHUS5	Usage selection of manual linear/circular interpolation signals	G545.0 to G545.4	○	○
	MI1 to MI8	Mirror image signals	G106	○	○
	MINC	Incremental feed selection check signal	F003.0	○	○
	MIX1 to MIX8	Composite control axis change selection signals	G128	○	○
	MIXO1 to MIXO8	Composite axis confirmation signals	F343	○	○
	MJ	Jog feed selection check signal	F003.2	○	○
	MLK	All-axis machine lock signal	G044.1	○	○
	MLK1 to MLK8	Each-axis machine lock signal	G108	○	○
	MLKO	Software operator's panel signal (MLK)	F075.4	○	○
	MMDI	Manual data input selection check signal	F003.3	○	○
	MMEM	Automatic operation selection check signal	F003.5	○	○
	MMI1 to MMI8	Mirror image check signals	F108	○	○
	MMLK	All-axis machine lock check signal	F004.1	○	○
	MMMOD	Check mode confirmation signal	F091.3	○	○
	MMOD	Checking mode signal	G067.2	○	○
	MNCHG	Direction change prohibition signal	F091.1	○	○
	MORA1A	Magnetic sensor orientation completion signals (serial spindle)	F046.6	○	○
	MORA1B		F050.6	○	○
	MORA1C		F169.6	○	○
	MORA1D		F267.6	○	○
	MORA2A	Magnetic sensor orientation proximity signals (serial spindle)	F046.7	○	○
	MORA2B		F050.7	○	○
	MORA2C		F169.7	○	○
	MORA2D		F267.7	○	○
	MORCMA	Magnetic sensor orientation command signals (serial spindle)	G073.0	○	○
	MORCMB		G077.0	○	○
	MORCMC		G207.0	○	○
	MORCMD		G269.0	○	○

Group	Symbol	Signal name	Address	T series	M series
M	MP1,MP2,MP4	Manual handle feed amount selection signals (incremental feed signals)	G019.4,G019.5 G019.6	○	○
	MP21,MP22 MP31,MP32 MP41,MP42 MP51,MP52	Manual handle feed amount selection signals	G087.0,G087.1 G087.3,G087.4 G087.6,G087.7 G380.0,G380.1	○	○
	MP1O	Software operator's panel signal (MP1)	F076.0	○	○
	MP2O	Software operator's panel signal (MP2)	F076.1	○	○
	MPOFA	Motor power cutoff command signals (serial spindle)	G073.2	○	○
	MPOFB		G077.2	○	○
	MPOFC		G207.2	○	○
	MPOFD		G269.2	○	○
	MRDYA	Machine ready signals (serial spindle)	G070.7	○	○
	MRDYB		G074.7	○	○
	MRDYC		G204.7	○	○
	MRDYD		G266.7	○	○
	MREF	Manual reference position return selection check signal	F004.5	○	○
	MRMT	DNC operation selection confirm signal	F003.4	○	○
	MRVM	Reverse movement prohibition signal	G531.1	○	○
	MRVMD	Reverse movement signal	F091.0	○	○
	MRVSP	Reverse movement prohibition signal	F091.2	○	○
	MSBK	Single block check signal	F004.3	○	○
	MSEMI1 to MSEMI8	Position feedback check signals	F516	○	○
	MSP00 to MSP15	Multi-spindle address P signals	F160,F161	○	○
	MSPOSA	Spindle positioning mode signals	F039.0	○	○
	MSPOSB		F402.1	○	○
	MSPOSC		F402.2	○	○
	MSPOSD		F402.3	○	○
	MT8N00 to MT8N31	Manual tool compensation tool number signal (8 digits)	G525 to G528	○	-
	MTA,MTB,MTC, MTD	Flexible synchronization control mode selection signals	G197.0 to G197.3	○	○
	MTLA	Manual tool compensation completion signal	F061.5	○	-
	MTLANG	Manual tool compensation uncompleted signal	F061.4	○	-
	MTLC	Manual tool compensation command number	G067.0	○	-
	MTLN00 to MTLN15	Manual tool compensation tool number signal (4 digits)	G068,G069	○	-
	MV1 to MV8	Axis moving signals	F102	○	○
	MVD1 to MVD8	Axis moving direction signals	F106	○	○
N	NDCAL1 to NDCAL8	A/B phase detector disconnection alarm ignore signal (PMC axis control)	G202	○	○
	NHSW	Waiting M codes of high-speed type invalid signal	G579.6	●	●
		Speed-up of non-buffering command by G code invalid signal		○	○
	NMWT	No-wait signal	G063.7	●	●
	NOINPS	In-position check disable signal	G023.5	○	○
	NOT3DM	3-dimensional coordinate system conversion manual interrupt enable/disable switch signal	G347.7	○	○

Group	Symbol	Signal name	Address	T series	M series
N	NOWT	No-wait signal	G063.1	●	●
	NOZAGC	Signal for disabling angular axis control for the perpendicular axis	G063.5	○	○
	NPOS1 to NPOS8	Axis non-displayed signals	G198	○	○
	NRROA	Shortcut command signals for orientation stop position change (serial spindle)	G072.2	○	○
	NRROB		G076.2	○	○
	NRROC		G206.2	○	○
	NRROD		G268.2	○	○
	NSYNCA	Signal for disabling torque difference alarm detection for axis synchronous control	G059.7	○	○
O	OFN0 to OFN5, OFN6 to OFN9	Tool offset number selection signals	G039.0 to G039.5, G040.0 to G040.3	○	○
	OFNC0 to OFNC5, OFNC6 to OFNC9	Tool offset number selection signals (for milling and turning function)	G546.0 to G546.5, G547.0 to G547.3	-	○
	ONSC	Tool compensation number specification signal	G547.6	○	—
	OP	Automatic operation signal	F000.7	○	○
	ORARA	Orientation completion signals (serial spindle)	F045.7	○	○
	ORARB		F049.7	○	○
	ORARC		F168.7	○	○
	ORARD		F266.7	○	○
	ORCMA	Orientation command signals(serial spindle)	G070.6	○	○
	ORCMB		G074.6	○	○
	ORCMC		G204.6	○	○
	ORCMD		G266.6	○	○
	OTA1 to OTA8	Stored stroke limit range switching axis selection signals	G596	○	○
	OTD0 to OTD15	Stored stroke limit range switching data selection signals	G594, G595	○	○
	OTSW	Stored stroke limit range switching start signal	G599.0	○	○
	OTSWFN	Stored stroke limit range switching finish signal	F599.0	○	○
	OUT0 to OUT15	Software operator's panel general-purpose switch signals	F072, F074	○	○
	OVC	Override cancel signal	G006.4	○	○
	OVLN	Inter-path flexible synchronization mode select signal Advanced superimposition signal AI contour control permission signal	G531.4	○	○
	OVLNS	Inter-path flexible synchronization mode signal Advanced superimposition mode signal	F545.1	○	○
	OVLS1 to OVLS8	Superimposed control axis selection signals	G190	○	○
	OVM01 to OVM08	Superimposed control master axis confirmation signals	F344	○	○
	OVRA	Analog override signals (serial spindle)	G072.4	○	○
	OVRB		G076.4	○	○
	OVRC		G206.4	○	○
	OVRD		G268.4	○	○
	OVSO1 to OVSO8	Superimposed control slave axis confirmation signals	F345	○	○

Group	Symbol	Signal name	Address	T series	M series
P	P1SI1 to P1SI16	Pulse superimposed command signals	G574, G575	○	○
	P2SI1 to P2SI16		G576, G577	○	○
	PBATL	Absolute position detector battery voltage low alarm signal	F172.7	○	○
	PBATZ	Absolute position detector battery voltage zero alarm signal	F172.6	○	○
	PC1DTA	Position coder one-rotation signal detection status signals (serial spindle)	F047.0	○	○
	PC1DTB		F051.0	○	○
	PC1DTC		F170.0	○	○
	PC1DTD		F268.0	○	○
	PC2SLC	2nd position coder selection signal	G028.7	○	○
	PC3SLC	3rd position coder selection signal	G026.0	○	○
	PC4SLC	4th position coder selection signal	G026.1	○	○
	PCKSV	High speed program check saving data signal	F290.4	○	○
	PECK2	Small-hole peck drilling cycle in progress signal	F066.5	-	○
	PGCK	High-speed program check signal	G290.5	○	○
	PHERA, PHERB, PHERC, PHERD	Automatic phase synchronization error detection signals	F553.0 to F553.3	○	○
	PHFINA to PHFIND	Flexible synchronization control phase synchronization end signals	F381.0 to F381.3	○	○
	PK1 to PK8	Parking signals	G122	○	○
	PKESS1	1st spindle parking signal	G122.6 (G031.6)	○	○
	PKESS2	2nd spindle parking signal	G122.7 (G031.7)	○	○
	PKESE1	Spindle command synchronous parking signal(for each spindle)	G265.0	○	○
	PKESE2		G265.1	○	○
	PKESE3		G265.2	○	○
	PKESE4		G265.3	○	○
	PN1,PN2,PN4, PN8,PN16	External workpiece number search signals	G009.0 to G009.4	○	○
	PORA2A	Position coder orientation proximity signal (serial spindle)	F046.5	○	○
	PORA2B		F050.5	○	○
	PORA2C		F169.5	○	○
	PORA2D		F267.5	○	○
	PRC	Position record signal	G040.6	○	-
	PRGDPL	Program screen display mode signal	F053.1	○	○
	PRGMD	High speed program check mode signal	F290.5	○	○
	PRTSF	Target part count reached signal	F062.7	○	○
	PSAR	Polygon spindle speed arrival signal	F063.2	○	○
	PSE1	Polygon master axis not arrival signal	F063.0	○	○
	PSE2	Polygon synchronization axis not arrival signal	F063.1	○	○
	PSI1	Pulse superimposed strobe signals	G578.0	○	○
	PSI2		G578.1	○	○
	PSIF1	Pulse superimposed command reading completion signals	F544.0	○	○
	PSIF2		F544.1	○	○
	PSIM	Pulse superimposed mode switching signal	G578.7	○	○
	PSIMF	Pulse superimposed mode signal	F544.7	○	○
	PSW01 to PSW16	Position switch signals	F070,F071	○	○
	PSYN	Polygon synchronization under way signal	F063.7	○	○
	PWFL	Power failure deceleration signal	G203.7	○	○

Group	Symbol	Signal name	Address	T series	M series
P	PWMSEA	Cutting feed/rapid traverse PWM frequency switching function in Cs contour control enable signal (serial spindle)	G306.1	○	○
	PWMSEB		G310.1	○	○
	PWMSEC		G314.1	○	○
	PWMSED		G318.1	○	○
Q	QRSTD	Program restart memory storing disabled signal	G517.6	○	○
R	R01I to R12I	Spindle motor speed command signals	G032.0 to G033.3	○	○
	R01I2 to R12I2		G034.0 to G035.3	○	○
	R01I3 to R12I3		G036.0 to G037.3	○	○
	R01I4 to R12I4		G272.0 to G273.3	○	○
	R01O to R12O	S 12-bit code signals	F036.0 to F037.3	○	○
	R01O2 to R12O2		F200.0 to F201.3	○	○
	R01O3 to R12O3		F204.0 to F205.3	○	○
	R01O4 to R12O4		F270.0 to F271.3	○	○
	RCFNA	Output switch completion signals (serial spindle)	F046.3	○	○
	RCFNB		F050.3	○	○
	RCFNC		F169.3	○	○
	RCFND		F267.3	○	○
	RCHA	Power line status check signals (serial spindle)	G071.7	○	○
	RCHB		G075.7	○	○
	RCHC		G205.7	○	○
	RCHD		G267.7	○	○
	RCHHGA	Spindle switch HIGH MCC contact status signals (serial spindle)	G072.7	○	○
	RCHHGB		G076.7	○	○
	RCHHGC		G206.7	○	○
	RCHHGD		G268.7	○	○
	RCHPA	Output switch signals (serial spindle)	F046.2	○	○
	RCHPB		F050.2	○	○
	RCHPC		F169.2	○	○
	RCHPD		F267.2	○	○
	RE01I to RE32I	Extended spindle motor speed command signals	G708 to G711	○	○
	RE01I2 to RE32I2		G712 to G715	○	○
	RE01I3 to RE32I3		G716 to G719	○	○
	RE01I4 to RE32I4		G720 to G723	○	○
	RE01O to RE32O	S32-bit code signals	F708 to F711	○	○
	RE01O2 to RE32O2		F712 to F715	○	○
	RE01O3 to RE32O3		F716 to F719	○	○
	RE01O4 to RE32O4		F720 to F723	○	○
	RGHTh	Tool axis right-angle direction feed mode signal	G023.6	○	○
	RGSPM	Spindle rotation direction signals	F065.1	○	○
	RGSPp		F065.0	○	○
	RGTAP	Rigid tapping signal	G061.0	○	○
	RGTSP1 to RGTSP4	Rigid tapping spindle selection signals	G061.4 to G061.7	○	-
	RLSOT	Stroke check 1 release signal	G007.7	○	○
	RLSOT3	Stroke check 3 release signal	G007.4	○	○
	RMTC	Re-machining thread signal	G549.5	○	○
	RMVST	Removal start signal	G536.2	○	○
	RMVED	Removal completion signal	F536.2	○	○
	RNDH	Tool tip center rotation feed mode signal	G298.2	○	○

Group	Symbol	Signal name	Address	T series	M series
R	ROTAA	Rotational direction command signals for orientation stop position change (serial spindle)	G072.1	○	○
	ROTAB		G076.1	○	○
	ROTAC		G206.1	○	○
	ROTAD		G268.1	○	○
	ROV1,ROV2	Rapid traverse override signals	G014.0,G014.1	○	○
	ROV1O	Software operator's panel signal (ROV1)	F076.4	○	○
	ROV2O	Software operator's panel signal (ROV2)	F076.5	○	○
	ROVLP	Rapid traverse block overlap disable signal	G053.5	○	○
	RP11 to RP18	Reference position match signals	F517.0 to F517.7	○	○
	RP21 to RP28	2nd reference position match signals	F518.0 to F518.7	○	○
	RPDO	Rapid traversing signal	F002.1	○	○
	RRW	Reset & rewind signal	G008.6	○	○
	RSLA	Output switch request signals (serial spindle)	G071.6	○	○
	RSLB		G075.6	○	○
	RSLC		G205.6	○	○
	RSLD		G267.6	○	○
	RSMAX	Spindle synchronous speed ratio control clamp signal	F065.2	○	○
	RST	Resetting signal	F001.1	○	○
	RT	Manual rapid traverse selection signal	G019.7	○	○
	RTAP	Rigid tapping-in-progress signal	F076.3	○	○
	RTC2	Time constant of acceleration / deceleration after interpolation for rapid traverse switching signals	G599.6	○	○
	RTC3		G599.7	○	○
	RTC2O	Time constant of acceleration / deceleration after interpolation for rapid traverse switching confirmation signals	F599.6	○	○
	RTC3O		F599.7	○	○
	RTNT	Rigid tapping retraction start signal	G062.6	○	○
	RTO	Software operator's panel signal (RT)	F077.6	○	○
	RTPT	Rigid tapping retraction completion signal	F066.1	○	○
	RTRCT	Retract signal	G066.4	○	○
	RTRCTF	Retract completion signal	F065.4	○	○
	RVS	Reverse execution signal	G007.0	-	○
	RWD	Rewinding signal	F000.0	○	○
S	S00 to S31	Spindle function code signals	F022 to F025	○	○
	S1MES	Spindle 1 under measurement signal	F062.3	○	-
	S2MES	Spindle 2 under measurement signal	F062.4	○	-
	S2TLS	Spindle measurement select signal	G040.5	○	-
	SA	Servo ready signal	F000.6	○	○
	SAR	Spindle speed arrival signal	G029.4	○	○
	SARA	Spindle speed arrival signal (serial spindle)	F045.3	○	○
	SARB		F049.3	○	○
	SARC		F168.3	○	○
	SARD		F266.3	○	○
	SBK	Single block signal	G046.1	○	○
	SBKO	Software operator's panel signal (SBK)	F075.3	○	○
	SBRT	Spindle synchronous speed ratio control signal	G038.1	○	○

Group	Symbol	Signal name	Address	T series	M series
S	SCLPA	Spindle clamp signal	F038.0	○	○
	SCLPB		F401.1	○	○
	SCLPC		F401.2	○	○
	SCLPD		F401.3	○	○
	SDPC	Speed display change signal	G038.5	○	○
	SDTA	Speed detection signals (serial spindle)	F045.2	○	○
	SDTB		F049.2	○	○
	SDTC		F168.2	○	○
	SDTD		F266.2	○	○
	SEO1 to SEO8	Excess synchronization error signals	F559	○	○
	SEMI1 to SEMI8	Position feedback dynamic switching signals	G516	○	○
	SF	Spindle function strobe signal	F007.2	○	○
	SFAN	Alarm level detection signal	F093.1	○	○
	SFIN	Spindle function completion signal	G005.2	○	○
	SFRA	CW command signals (serial spindle)	G070.5	○	○
	SFRB		G074.5	○	○
	SFRC		G204.5	○	○
	SFRD		G266.5	○	○
	SGN	Spindle motor command polarity command signals	G033.5	○	○
	SGN2		G035.5	○	○
	SGN3		G037.5	○	○
	SGN4		G273.5	○	○
	SH00A to SH14A	Spindle orientation signals with the stop position externally set	G078.0 to G079.6	○	○
	SH00B to SH14B		G080.0 to G081.6	○	○
	SH00C to SH14C		G208.0 to G209.6	○	○
	SH00D to SH14D		G270.0 to G271.6	○	○
	SIND	Spindle motor speed command selection signals	G033.7	○	○
	SIND2		G035.7	○	○
	SIND3		G037.7	○	○
	SIND4		G273.7	○	○
	SKIP	Skip signal	X004.7	○	○
	SKIP2 to SKIP6, SKIP7, SKIP8	Skip signal	X004.2 to X004.6, X004.0, X004.1	○	○
	SKIPP	Skip signal	G006.6	○	○
	SLANG	Display language switch start signal	G581.7	○	○
	SLPCA	Path spindle feedback selection signals	G064.2	●	●
	SLPCB		G064.3	●	●
	SLPCC		G403.4	●	●
	SLPCD		G403.5	●	●
	SLREF	Manual 2nd/3rd/4th reference position return select 1 signal	G340.5	○	○
	SLRER	Manual 2nd/3rd/4th reference position return select 2 signal	G340.6	○	○
	SLSPA	Path spindle command selection signals	G063.2	●	●
	SLSPB		G063.3	●	●
	SLSPC		G403.0	●	●
	SLSPD		G403.1	●	●

Group	Symbol	Signal name	Address	T series	M series
S	SLVA	Subordinate operation mode command signals (serial spindle)	G073.1	○	○
	SLVB		G077.1	○	○
	SLVC		G207.1	○	○
	SLVD		G269.1	○	○
	SLVSA	Subordinate operation status signals (serial spindle)	F046.4	○	○
	SLVSB		F050.4	○	○
	SLVSC		F169.4	○	○
	SLVSD		F267.4	○	○
	SMPK1 to SMPK8	Parking axis confirmation signals	F346	○	○
	SMSL11	Spindle position save selection signal	G588.0	○	○
	SMSL12		G588.1	○	○
	SMSL13		G588.2	○	○
	SMSL14		G588.3	○	○
	SMSL21		G588.4	○	○
	SMSL22		G588.5	○	○
	SMSL23		G588.6	○	○
	SMSL24		G588.7	○	○
	SMZ	In-position check signal	G053.6	○	○
	SOCNA	Soft start/stop signals (serial spindle)	G071.4	○	○
	SOCNB		G075.4	○	○
	SOCNC		G205.4	○	○
	SOCND		G267.4	○	○
	SOR	Spindle orientation signal	G029.5	○	○
	SORENA	Synchronous orientation enable signal	F047.3	○	○
	SORENB		F051.3	○	○
	SORENC		F170.3	○	○
	SOREND		F268.3	○	○
	SORSLA	Synchronous orientation request command	G073.3	○	○
	SORSLB		G077.3	○	○
	SORS LC		G207.3	○	○
	SORS LD		G269.3	○	○
	SOV0 to SOV7	Spindle speed override signals	G030	○	○
	SOV20 to SOV27	2nd spindle speed override signals	G376	○	○
	SOV30 to SOV37	3rd spindle speed override signals	G377	○	○
	SOV40 to SOV47	4th spindle speed override signals	G378	○	○
	SPAL	Spindle speed fluctuation detection alarm signal	F035.0	○	○
	SPAPH1	Arbitrary spindle position phase synchronization signal	G587.4	○	○
	SPAPH2		G587.5	○	○
	SPAPH3		G587.6	○	○
	SPAPH4		G587.7	○	○
	SPL	Feed hold lamp signal	F000.4	○	○
	SPMER1	Spindle position save error signal	F577.4	○	○
	SPMER2		F577.5	○	○
	SPMER3		F577.6	○	○
	SPMER4		F577.7	○	○
	SPMFN1	Spindle position save completion signal	F577.0	○	○
	SPMFN2		F577.1	○	○
	SPMFN3		F577.2	○	○
	SPMFN4		F577.3	○	○



Group	Symbol	Signal name	Address	T series	M series
S	SPMST1	Spindle position save start signal	G587.0	○	○
	SPMST2		G587.1	○	○
	SPMST3		G587.2	○	○
	SPMST4		G587.3	○	○
	SPO	Software operator's panel signal (*SP)	F075.7	○	○
	SPP1 to SPP8	Spindle indexing signals for each axis	F522	○	○
	SPPHS	Spindle phase synchronous control signal	G038.3	○	○
	SPPHS1	Spindle phase synchronous control signal (for each spindle)	G289.0	○	○
	SPPHS2		G289.1	○	○
	SPPHS3		G289.2	○	○
	SPPHS4		G289.3	○	○
	SPSLA	Spindle selection signals (serial spindle)	G071.2	○	○
	SPSLB		G075.2	○	○
	SPSLC		G205.2	○	○
	SPSLD		G267.2	○	○
	SPSP	Spindle command path specification signal	G536.7	○	○
	SPSTPA	Spindle stop complete signal	G028.6	○	○
	SPSTPB		G402.1	○	○
	SPSTPC		G402.2	○	○
	SPSTPD		G402.3	○	○
	SPSYC	Spindle synchronous control signal	G038.2	○	○
	SPSYC1	Spindle synchronous control signal (for each spindle)	G288.0	○	○
	SPSYC2		G288.1	○	○
	SPSYC3		G288.2	○	○
	SPSYC4		G288.3	○	○
	SPWRN1 to SPWRN9	Spindle warning detail signals 1 to 9	F264.0 to F265.0	○	○
	SQMPE	Program restart MDI program execution completion signal	F316.7	○	○
	SQMPR	Program restart MDI program output completion signal	F316.6	○	○
	SRN	Program restart signal	G006.0	○	○
	SRNEX	Quick program restart under way signal	Fn534.1	○	○
	SRNMV	Program restart under way signal	F002.4	○	○
	SRSP1R	1st serial spindle ready signals	F034.6	○	○
	SRSP2R	2nd serial spindle ready signals	F034.5	○	○
	SRSP3R	3rd serial spindle ready signals	F034.4	○	○
	SRSP4R	4th serial spindle ready signals	F034.3	○	○
	SRSRDY	All-spindle operation ready signal	F034.7	○	○
	SRVA	CCW command signals (serial spindle)	G070.4	○	○
	SRVB		G074.4	○	○
	SRVC		G204.4	○	○
	SRVD		G266.4	○	○
	SRVON1 to SRVON8	SV speed control mode signals	G521	○	○
	SSEGB1 to SSEGB4	Simple spindle EGB signals	G351.0 to G351.3	○	○
	SSEGBM1 to SSEGBM4	Simple spindle EGB mode signals	F351.0 to F351.3	○	○

Group	Symbol	Signal name	Address	T series	M series
S	SSIN	Spindle motor command polarity selection signals	G033.6	○	○
	SSIN2		G035.6	○	○
	SSIN3		G037.6	○	○
	SSIN4		G273.6	○	○
	SSR1 to SSR4	Total spindle revolution number reset signals	G533.0 to G533.3	○	○
	SSRS	Total spindle revolution number reset selection signal	G533.4	○	○
	SSTA	Speed zero signals (serial spindle)	F045.1	○	○
	SSTB		F049.1	○	○
	SSTC		F168.1	○	○
	SSTD		F266.1	○	○
	ST	Cycle start signal	G007.2	○	○
	STCHK	Start check signal	G408.0	○	○
	STL	Cycle start lamp signal	F000.5	○	○
	STLK	Start lock signal	G007.1	○	○
	SUCLPA	Spindle unclamp signal	F038.1	○	○
	SUCLPB		F400.1	○	○
	SUCLPC		F400.2	○	○
	SUCLPD		F400.3	○	○
	SVAR	Servo motor spindle control mode acceleration/deceleration completion signal	F090.6	○	○
	SVF1 to SVF8	Servo off signals	G126	○	○
	SVGN	Servo motor rotation polarity specification signal	G022.5	○	○
	SVMWC1 to SVMWC8	Dual control axes switching signal	G687	○	○
	SVMWS1 to SVMWS8	Dual control axes status signal	F687	○	○
	SVR01I to SVR12I	Servo motor rotation speed specification signals	G021.0 to G022.3	○	○
	SVREV1 to SVREV8	SV speed control mode in-progress signals	F521	○	○
	SVRVS1 to SVRVS8	SV reverse signals	G523	○	○
	SVSAR1 to SVSAR8	Speed arrival signals	F377	○	○
	SVSP	Servo motor spindle control switching signal	G022.7	○	○
	SVSPM	Servo motor spindle control mode signal	F090.7	○	○
	SVSST1 to SVSST8	Speed zero signals	F376	○	○
	SVWRN1	Servo warning detail signals	F093.4	○	○
	SVWRN2		F093.5	○	○
	SVWRN3		F093.6	○	○
	SVWRN4		F093.7	○	○
	SWS1	Spindle selection signals	G027.0	○	○
	SWS2		G027.1	○	○
	SWS3		G027.2	○	○
	SWS4		G026.3	○	○
	SYAR	Servo motor spindle synchronization mode acceleration/deceleration completion signal	F090.4	○	○
	SYCAL	Phase error monitor signal	F044.4	○	○
	SYCAL1	Phase error monitor signal (for each spindle)	F043.0	○	○
	SYCAL2		F043.1	○	○
	SYCAL3		F043.2	○	○
	SYCAL4		F043.3	○	○

Group	Symbol	Signal name	Address	T series	M series
S	SYCM1 to SYCM8	Synchronous master axis confirmation signals	F341	○	○
	SYCS1 to SYCS8	Synchronous slave axis confirmation signals	F342	○	○
	SYN10 to SYN80	Synchronous/composite/superimposed control under way signals	F118	○	○
	SYNC1 to SYNC8	Synchronous control axis selection signals	G138	○	○
	SYNCJ1 to SYNCJ8	Signals for selecting the manual feed axis for axis synchronous control	G140	○	○
	SYNER	Signal for indicating a positional deviation error alarm for axis synchronous control	F403.0	○	○
	SYNMOD	EGB mode signal	F065.6	○	○
	SYNMT1 to SYNMT8	Machine coordinate match state output signals	F210	○	○
	SYNO1 to SYNO8	Axis synchronous control status signals	F532	○	○
	SYNOF1 to SYNOF8	Synchronization compensation enable state output signals	F211	○	○
	SYPER	Phase synchronization for Servo/Spindle synchronous error signal	F527.7	○	○
	SYPFN	Phase synchronization for Servo/Spindle synchronous finished signal	F527.6	○	○
	SYPST	Phase synchronization for Servo/Spindle synchronous start signal	G517.7	○	○
	SYSS	Servo motor spindle synchronization start signal	G61.2	○	○
	SYSSM	Servo motor spindle synchronization mode signal	F090.5	○	○
T	T00 to T31	Tool function code signals	F026 to F029	○	○
	TAP	Tapping signal	F001.5	○	○
	TB_BASE	Table base signal	G298.0	○	○
	TDA1 to TDA8	Target distance attainment status signal	F730	○	○
	TDC1 to TDC8	Total travel distance clear signal	G726	○	○
	TDCF00 to TDCF07	DO signal for Data transfer between PMC and DCSPMC	F747	○	○
	TDFCANA	Preload and multi-axis integrator copy disable signal (serial spindle)	G306.2	○	○
	TDFCANB		G310.2	○	○
	TDFCANC		G314.2	○	○
	TDFCAND		G318.2	○	○
	TDFTR1 to TDFTR8	Trouble forecast signals for disturbance level	F299	○	○
	TDSML1 to TDSML8	Trouble forecast signals for thermal simulation	F298	○	○
	TF	Tool function strobe signal	F007.3	○	○
	TFIN	Tool function completion signal	G005.3	○	○
	THRD	Threading signal	F002.3	○	○
	TIALM	Path interference alarm signal	F064.7	●	-
	TICHK	Path interference check in progress signal	F064.6	●	-
	TKEY0 to TKEY5	Tool management data protection signal	G330.0 to G330.5	○	○
	TL01 to TL512	Tool group number selection signals	G047.0 to G048.1	○	○
	TLAL	Number of remaining tools notification signal	F154.0	-	○
	TLCH	Tool change signal	F064.0	○	○
	TLCH1	Tool change signal 1	F328.0	○	○
	TLCH2	Tool change signal 2	F328.1	○	○

Group	Symbol	Signal name	Address	T series	M series
T	TLCH3	Tool change signal 3	F328.2	○	○
	TLCH4	Tool change signal 4	F328.3	○	○
	TLCHB	Tool life expiration notice signal	F064.3	○	○
	TLCHB1	Tool life expiration notice signal 1	F329.4	○	○
	TLCHB2	Tool life expiration notice signal 2	F329.5	○	○
	TLCHB3	Tool life expiration notice signal 3	F329.6	○	○
	TLCHB4	Tool life expiration notice signal 4	F329.7	○	○
	TLCHI	Individual tool change signal	F064.2	○	○
	TLCHI1	Individual tool change signal 1	F328.4	○	○
	TLCHI2	Individual tool change signal 2	F328.5	○	○
	TLCHI3	Individual tool change signal 3	F328.6	○	○
	TLCHI4	Individual tool change signal 4	F328.7	○	○
	TLMA	Torque limit state signals (serial spindle)	F045.6	○	○
	TLMB		F049.6	○	○
	TLMC		F168.6	○	○
	TLMD		F266.6	○	○
	TLMEM	Tool management data edit in-progress signal	F315.7	○	○
	TLMG10	Tool management data modification in-progress signal	F315.2	○	○
	TLMHA	Torque limit command HIGH signals (serial spindle)	G070.1	○	○
	TLMHB		G074.1	○	○
	TLMHC		G204.1	○	○
	TLMHD		G266.1	○	○
	TLMLA	Torque limit command LOW signals (serial spindle)	G070.0	○	○
	TLMLB		G074.0	○	○
	TLMLC		G204.0	○	○
	TLMLD		G266.0	○	○
	TLMOT	Tool management data output in-progress signal	F315.4	○	○
	TLMSRH	Tool search in-progress signal	F315.1	○	○
	TLNCT1	Tool life counting disable signal 1	G329.4	○	○
	TLNCT2	Tool life counting disable signal 2	G329.5	○	○
	TLNCT3	Tool life counting disable signal 3	G329.6	○	○
	TLNCT4	Tool life counting disable signal 4	G329.7	○	○
	TLNW	New tool select signal	F064.1	○	○
	TLRST	Tool change reset signal	G048.7	○	○
	TLRST1	Tool change reset signal 1	G328.0	○	○
	TLRST2	Tool change reset signal 2	G328.1	○	○
	TLRST3	Tool change reset signal 3	G328.2	○	○
	TLRST4	Tool change reset signal 4	G328.3	○	○
	TLRSTI	Individual tool change reset signal	G048.6	○	○
	TLRSTI1	Individual tool change reset signal 1	G328.4	○	○
	TLRSTI2	Individual tool change reset signal 2	G328.5	○	○
	TLRSTI3	Individual tool change reset signal 3	G328.6	○	○
	TLRSTI4	Individual tool change reset signal 4	G328.7	○	○
	TLSKF	Tool skip completion signal	F315.0	○	○
	TLSKF1	Tool skip completion signal 1	F329.0	○	○
	TLSKF2	Tool skip completion signal 2	F329.1	○	○
	TLSKF3	Tool skip completion signal 3	F329.2	○	○
	TLSKF4	Tool skip completion signal 4	F329.3	○	○
	TLSKP	Tool skip signal	G048.5	○	○

Group	Symbol	Signal name	Address	T series	M series
T	TLSKP1	Tool skip signal 1	G329.0	○	○
	TLSKP2	Tool skip signal 2	G329.1	○	○
	TLSKP3	Tool skip signal 3	G329.2	○	○
	TLSKP4	Tool skip signal 4	G329.3	○	○
	TMFNFD	Life expiration signal	F315.6	○	○
	TMRON	General-purpose integrating meter start signal	G053.0	○	○
	TPMG00 to TPMG07	DI signal for Data transfer between PMC and DCSPMC	G765	○	○
	TPPRS	Touch panel check signal	F006.0	○	○
	TRACT	Tool retraction mode signal	F092.3	○	○
	TRESC	Tool retraction signal	G059.0	○	○
	TRMTN	Tool retraction axis movement signal	F092.4	○	○
	TRQL1 to TRQL8	Torque limit reached signals	F114	○	○
	TRQM1 to TRQM8	Torque control mode signal (PMC axis control)	F190	○	○
	TRRTN	Tool return signal	G059.1	○	○
	TRSPS	Tool return completion signal	F092.5	○	○
U	UI000 to UI031	Custom macro input signals	G054 to G057	○	○
	UI100 to UI131		G276 to G279	○	○
	UI200 to UI231		G280 to G283	○	○
	UI300 to UI331		G284 to G287	○	○
	UINT	Interrupt signal for custom macro	G053.3	○	○
	UO000 to UO031	Custom macro output signals	F054, F055, F276, F277	○	○
	UO100 to UO131		F056 to F059	○	○
	UO200 to UO231		F280 to F283	○	○
	UO300 to UO331		F284 to F287	○	○
V	VDCABA	DC-link failure detection state signal (serial spindle)	F306.4	○	○
	VDCABB		F308.4	○	○
	VDCABC		F310.4	○	○
	VDCABD		F312.4	○	○
W	WATO	Waiting signal	F063.6	●	●
	WBCNT	Web browser connection status signal	F0578.2	○	○
	WBEND	Web browser connection prohibition signal	G0579.5	○	○
	WECCS	SRAM ECC abnormality warning signal	F0535.3	○	○
	WETE	Embedded Ethernet communication abnormality warning signal	F0535.4	○	○
	WETF	Fast Ethernet communication abnormality warning signal	F0535.5	○	○
	WFAN	Warning level detection signal	F093.3	○	○
	WFLN1	FL-net1 communication abnormality warning signal	F0535.6	○	○
	WFLN2	FL-net2 communication abnormality warning signal	F0535.7	○	○
	WIOCH1	I/O Link 1 retry abnormality warning signal	F0535.0	○	○
	WIOCH2	I/O Link 2 retry abnormality warning signal	F0535.1	○	○
	WIOCH3	I/O Link 3 retry abnormality warning signal	F0535.2	○	○
	WOQSM	Workpiece origin offset measurement mode selection signal	G039.6	—	○
	WOQSM	Workpiece coordinate system shift value write mode select signal	G039.6	○	—
	WOSET	Workpiece coordinate system shift value write signal	G040.7	○	-

Group	Symbol	Signal name	Address	T series	M series
W	WPRST1 to WPRST8	Each axis workpiece coordinate system preset signals	G358	○	○
	WPSF1 to WPSF8	Each axis workpiece coordinate system preset completion signals	F358	○	○
X	XPFLA	Power failure detection signal (serial spindle)	F307.1	○	○
	XPFLB		F309.1	○	○
	XPFLC		F311.1	○	○
	XPFLD		F313.1	○	○
Z	ZP1 to ZP8	Reference position return end signals	F094	○	○
	ZP21 to ZP28	2nd reference position return completion signals	F096	○	○
	ZP31 to ZP38	3rd reference position return completion signals	F098	○	○
	ZP41 to ZP48	4th reference position return completion signals	F100	○	○
	ZRF1 to ZRF8	Reference position establishment signals	F120	○	○
	ZRN	Manual reference position return selection signal	G043.7	○	○
	ZRNO	Software operator's panel signal (ZRN)	F073.4	○	○
	ZRNR	Mode notification signal	F513.7	○	○