

NC error displays

Operating errors in EDIT and IN/OUT: E...

Error display	Cause	Remedy
E01 SETTING ERROR	Input of a value without # number	
E02 DATA OVER	Input value has too many places	Enter correct value.
E03 NO. NOT FOUND	Wrong address for parameter value; address does not exist	
E04 DEV. NOT READY	Interface power supply absent; cable not connected	
E05 NOT ACCEPTABLE	Data input of APLC counters and times locked; tool input PLC locked;  key word E71 locked	Set corresponding bit under #49: 0 = 1 times 1 = 1 counter
E06 NO SPEC	An unspecified menu key has been pressed; an attempt has been made to enter a non-existent parameter	
E07 RESET END	Input/output operation has been aborted by NC RESET or an error display	
E08 PHYSICAL ERR	Wrong parameter value for interface in NC or on external unit	
E09 TIME OUT	Monitoring time for input/output function set too short	
E10 MEMORY OVER	Existing memory capacity is used up; max. possible input range in MDI exceeded	Delete programs.



Error display	Cause	Remedy
E11 PROG.NO.DUPLI	Program number already exists in NC memory	
E12 FILE ENTRY OVER	Max. number of program numbers reached	Delete programs.
E13 NR NOT FOUND	Block with specified BLOCK number is missing	
E14 PROG. NOT FOUND	Program number used does not exist in memory	
E15 EDIT LOCK B	Input locked for program B and C for editing	
E16 EDIT LOCK C	Input locked for program C	
E17 PARITY H	Parity error in input format; horizontal number of positions faulty	
E18 PARITY V	Parity error in input format; vertical number of positions faulty	
E20 OVER RUN ERROR	Data overflow during data input/output	Check control characters and parameters
E21 PROGRAM RUNNING	Attempt was made to edit in an elapsed program; attempt was made to edit parameters in a running program; attempt was made for SET UP in a running program	
E22 CODE CHANGE ERR	Wrong code on punched tape etc.	
E23 NOT ADD I/O	No interface print installed	
E24 PLC RUNNING	An attempt was made to read in, read out or compare machine parameters while the PLC is not in stop mode	

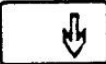


Error display	Cause	Remedy
E25 DATA MEMORY ERR	Data error on punched tape, etc., for ex. correction or tool data have too many positions	
E26 NO CHARACTERS	Nothing found in a search for a specific character or character sequence (string)	
E30/ E40 INTERFACE ERROR	Interface cannot carry out communication	Check interface and its parameters.
E35 COMPARE ERROR	Wrong or different data when comparing programs	Should one of these errors occur when editing or reading data in/out, the memory must be checked.
E50 FILE ERR	Additional error numbers for error displays E50.. and E60.. Errors E.. 04 Time out 05 Hardware fault 07 Control alarm 10 Power supply absent 15 Parity, horiz. 16 Parity, vertical 17 Data overflow 18 Data conversion error	
E51 FILE OPEN ERROR		
E52 FILE CLOSE ERR		
E53 ERROR		
E54 FILE SELECTION ERROR		
E55 FILE READ ERROR		
E56 FILE DELETE ERROR		
E60 FILE INSERT ERROR I/O CHANNEL ERROR		
E61 MODE SELECT		
E62 I/O PARAM ERROR		Check parameters.
E63 MODE/PARAM ERROR		Check parameters for mode used.
E64 PROGRAM NO. ERR	Program number already exists in memory	
E65 PROGR.NO. DUPLI	When reading, access to a program number already in use	



Error display	Cause	Remedy
E66 NO PROG. NUMBER	There is no program number on punched tape, etc.	Set program number and repeat input.
E70 ROOL NO. DUPLI	Data already assigned to entered tool number	
E71 TOOL ENTRY OVER	A tool number has been entered that no longer exists in tool file	
E76 TOOL NO. ERROR	Illegal offset No. when gauging	Select correct tool.
E77 NO AXIS REF. POINT	No ref. point of axis to be gauged	Approach ref. point.
E78 AX UNMATCH* (TLM)	Two or more axes traverse while measuring probe for automatic tool length determination is operative	
E79 NO REF-RTN (ATC)	Axis has no reference point when approaching with measuring probe	
E80 TOP SEARCH ERR	Start address not found in as search	
E81 PROGRAM ERR		
E82 ALREADY RESERCH		
E83 COUNT OVERFLOW		
E84 CAN'T IN/OUT	During a running input/output operation, an attempt has been made to start a different input/output routine	
E85 LINE BUSY	Communication between DNC and host computer is active	Interface activated; waiting for data transfer.
E86 INPUT DATA ERR	Tool correction data wrong or faulty; wrong program values or parameter tapes	



Error display	Cause	Remedy
E87 NOT EDIT PROG.	Playback not allowed in a fixed cycle; no subroutine has access to playback	
E88 CAN'T ADD BLOCK	Wrong operating mode for playback	On the left side of CRT search for end of playback by means of cursor  and then enter data.
E91 \$ NUMBER ERR	Wrong subsystem	
E92 SET POINT OVER		
E100 ILLLEGAL # NUMBER	An attempt was made to input a program block with an invalid line number	Select another line number.
E101 ILLEGAL G CODE	In "TRAUB format" an attempt was made to input a G code not specific to it	Edit in free format.
E102 ADDRESS FORMAT	Incorrect address data in an NC block (when editing)	
E103 INPUT FORMAT ERROR	Incorrect format data	
E104 COPY RANGE EXCEEDED		
E105 DATA INPUT BLOCKED		Set key switch to data release.
E106 ILLEGAL 2ND G CODE	Invalid combination of two G codes in one NC block	
E110 ONLY \$1 SYSTEM	An attempt was made to switch to 2nd subsystem on a machine with only one subsystem	
E111 SUBSYSTEM SELECTION ERROR		
E120 INPUT ERROR		
E130 PUNCHED TAPE ERROR		



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Error display	Cause	Remedy
E131 ASSIGNMENT ERROR		
E132 BAUDRATE TOO HIGH		

خدمات فنی مهندسی  
نظری

0912-5159577



General operating errors: ...

M01 Operating error <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		Error number		The error display "M01 operating error" is always output in conjunction with an error number (of an axis name, if necessary). e.G. M01 operating error 0007 X	
Error display	Cause			Remedy	
0001	TRIP DOG OVERRUN	Trip dog overrun (axis zero mark) when approaching spindle reference point		Reduce approach speed.	
0002	NO REFERENCE POINT	One of the machine axes has not found the reference point		Move in front of trip dog and approach again ref. point in "reference point" mode.	
0003	WRONG DIRECTION KEY	Wrong key used to approach reference point		Use correct key.	
0004	EXTERNAL FEED INTERLOCK	External signal for feed interlock exists		This signal must become zero to cancel feed interlock.	
0005	CONTROLLER DISABLED	Axis amplifiers have controller disabled signal (servo OFF); axis traverse possible after controller enabling			
0006	HARDWARE END LIMIT	One axis has contacted the hardware limit switch		Clear axis by moving it in opposite dir.	
0007	SOFTWARE LIMIT	One axis has contacted the entered software limit		Clear axis by moving it in opposite dir.; if necessary, check parameter.	



Error display	Cause	Remedy
0008	BARRIERS Entered end limit points for chuck and/or tailstock reached	Press RESET and clear in opposite direction.
0009	WRONG REFERENCE POINT Wrong reference point number has been entered	Approach first reference point in program or manually.
0101	NO MODE No mode of operation is selected	Check switches; check line to interface.
0102	NO FEED VALUE	Check limit switch position; check program; feed rate value programmed; check signal line in CHECK picture.
0103	ZERO RAPID TRAV./FEED RATE Feed rate or rapid traverse switch set to zero	Check switch position.
0105	SPINDLE STOP Spindle not rotating despite speed programming	Check program; check pulse encoder + line and cable of spindle.
0106	NO MANUAL TRAVEL An axis has been selected which cannot be moved manually	Check manual travel signal; check handwheel; select correct axis; check parameter of existing axis.
0107	EXCESS SPEED Spindle has reached excessive speed during threading	Reduce programmed speed.
0108	FIXED POINT AXIS NUMBER ILLEGAL	
0109	START LOCKED A "feed stop" signal is present	Check program; reset feed stop (interlock) signal.
0110	FEED STOP G1 feed stop signal is active	Check program; reset feed stop signal.
1001	MANUAL TRAVEL LOCKED Axis to be traversed in set-up mode is assigned to a different subsystem	





Error display	Cause		Remedy
1002	WRONG SERVO DESIGNATION		Check #16 check parameter; designation of servo print incorrect.
1003	WRONG TRAVEL DATA	When programming axis allocation: wrong travel data programmed as a function of subsystem	
1004	INADEQUATE AXIS ALLOCATION	More than three allocation commands programmed; axis superimposing programmed during interpolation	Check program.
1005	ILLEGAL G114 TO G116 COMMAND	G114 to G116 programmed while G114 to G116 is already selected	Check program.




General operating errors: M02...


M02 Approach ref. point      
Error number  
(Error with absolute measurement system)

The error display "Approach M02 ref. point" is always output in conjunction with an error number e.g. M02 0007

Error display	Cause	Remedy
0001	MEASURING SYSTEM ERROR Data of absolute measuring system	Approach reference point via trip dog.
0002	ABSOLUTE ENCODER ERROR	Approach reference point via trip dog in "reference point" mode
0003	ZERO POINT ERROR Permissible tolerance value for machine zero point entered by parameter (abs/mt) exceeded	Approach reference point.
0004	APPROACH REF. POINT For automatic program execution the reference points of all axes concerned must have been approached.	

Abort criteria: T01...../T02...../T03...../T04.....

T01	 Error number	The error display "T01" is always output in conjunction with an error number, e.g. T01 0007.
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Error display	Cause		Remedy
T01	NO CYCLE START	An NC cycle stop signal is present; no cycle start can be executed with this status	Check mode of op.; check SET UP program.
0101	AXIS TRAVERSE	At least one axis is traversed, but cycle start is only possible when all axes are stopped	
0102	NOT READY	An NC alarm is present	This NC alarm must be removed.
0103	RESET	RESET signal is present; automatic start therefore not possible	
0104	AUTOSTOP 1	Automatic stop signal is present	Check program.
0105	LIMIT STOP	Hardware limit switch "machine limit" has been reached	Clear in opposite direction in set-up mode
0106	SOFTWARE LIMIT	The entered limit position has been reached	Clear axis in opposite direction in set-up mode.
0107	MODE	"Automatic" oder "MDI" mode must be selected	Check mode selector switch.
0108	TWO MODES	Two modes are active simultaneously	Check position of mode selector switch and mode signal.
0109	MODE CHANGE		Select correct mode (automatic mode); press  cycle start.



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Error display	Cause	Remedy
0110	PROGRAM INPUT Selected program is edited in EDIT mode; cycle start therefore not possible	
0111	READ-IN STATUS Program is being read in; this program can only be started after termination of complete read-in cycle and subsequent SET-UP	
T02	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Error number	The error display "T02" is always output in conjunction with an error number e.g. T02 0201.
Error display	Cause	Remedy
T02	FEED STOP A feed stop signal is present	Automatic start can take place only after eliminating feed stop situation.
0201	LIMIT STOP Hardware limit switch \$2 reached	Clear axis in opposite direction in set-up mode.
0202	SOFTWARE LIMIT Limit entered in \$2 reached	Clear axis in opposite direction in set-up mode.
0203	NC RESET RESET signal has been sent; program is aborted and reset to first block (program start)	
0204	AUTOSTOP 2 Automatic stop signal 2 (feed stop) is present	Check program.
0205	MODE CHANGE	Select correct mode.



T03		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Error number	The error display "T03" is always output in conjunction with an error number, e.g. T03 0201.
<b>Error display</b>	<b>Cause</b>		<b>Remedy</b>
T03	BLOCK STOP	Execution of program aborted after termination of one single block	
0301	SINGLE BLOCK	Single block signal is present; program is only executed block by block	
0302	USER MACRO STOP	A block stop has been executed in this user program.	Press key 
0303	MODE CHANGE		Select "Automatic" mode; press  key.
0304	MDI END	Program entered in MDI has been executed	
T04		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Error number	The error display "T04" is always output in conjunction with an error number, e.g. T04 0201.
<b>Error display</b>	<b>Cause</b>		<b>Remedy</b>
T04	COMPARISON TERMINATED		

