

## 12. ERRORS REFERENCE

### 12.1 COMPILE TIME ERROR MESSAGES

ERROR CODE	SHORT DESCRIPTION	EXPLANATION
A04097	Object not found	The object indicated (variable or function block) has not been defined in the application.
A04098	Unsupported data type	The size (in bits) requested by the indicated data type isn't supported by the target system.
A04099	Auto vars space exhausted	The total allocation space requested by all local variables exceeds the space available on the target system.
A04100	Retentive vars space exhausted	The total allocation space requested by all local retentive variables exceeds the space available on the target system.
A04101	Bit vars space exhausted	The total allocation space requested by all local bit (boolean) variables exceeds the space available on the target system.
A04102	Invalid ++ in data block	The variable indicated is associated with an index that is not available in the relative data block.
A04103	Data block not found	The variable indicated is associated with a data block that doesn't exist (isn't defined) in the target system.
A04104	Code space exhausted	The total size of code used for POU (programs, functions and function blocks) exceed the space available on the target system.
A04105	Invalid bit offset	The variable indicated is associated with a bit index that is not available in the relative data block.
A04106	Image variable requested	Error code superseded.
A04107	Target function not found	The function indicated isn't available on the target system.
A04108	Base object not found	The indicated instance refers to a function block definition non defined.
A04109	Invalid base object type	The indicated variable is associated with a data type (including function block definition) that isn't defined.
A04110	Invalid data type	The data type used in the variable definition doesn't exist.
A04111	Invalid operand type	The operand type is not allowed for the current operator.
A04112	Function block shares global data and is used by more tasks	The indicated function block is called by more than one task but uses global variables with process image. For this reason the compiler isn't able to refer to the proper image variable for each instance of the function block.
A04113	Temporary variables allocation error	Internal compiler error.
A04114	Embedded functions do not support arrays as input variables	
A04115	Too many parameters input to embedded function	
A04116	Incremental build failed, perform a full build command	
A04117	Less then 10% of free data	
A04118	Less then 10% of free retain data	



ERROR CODE	SHORT DESCRIPTION	EXPLANATION
A04119	Less than 10% of free bit data	
A04120	Variable exceeds data block space	
A04121	Element not found	
A04123	Invalid access to private member	
A04129	Not a structured type	
A04130	Not a function block instance	
A04131	Incompatible external declaration	
A04133	Not a variable	
A04134	Index exceeds array size	
A04135	Invalid index data type	
A04136	Missing index(es)	
A04137	Function block instance required	
A04138	Simple variable required	
A04139	Too many indexes	
A04140	Not a structure instance	
A04141	Not an array	
A04143	Not a pointer	
A04144	Double pointer indirection not allowed	
A04145	To be implemented	
A04146	Bit datatype not allowed	
A04147	Unable to calculate variable offset	
A04148	Complex variables cannot have process image	
A04149	Cannot use directly represented variables with process image in function blocks (not implemented)	
A04150	Function block instance not allowed	
A04151	Structure not allowed	
A04152	16-bit variables must be aligned to a 16-bit boundary	
A04153	32-bit variables must be aligned to a 32-bit boundary	
A04154	Temporary string variable allocation error. Instruction shall be split.	
A04155	Ext/aux auto vars space exhausted	
A04156	Ambiguous enum value, <enum># prefix required	
B00001	Data block not found	The variable indicated is associated with a data block that doesn't exist (isn't defined) in the target system.
B00002	Error on create file	The indicated file can't be created due to a file system error or to a missing source file.
C00001	Parser not initialized	Internal compiler error.
C00002	Invalid token	Invalid word for the current language syntax



ERROR CODE	SHORT DESCRIPTION	EXPLANATION
C00003	Invalid file specification	Internal compiler error.
C00004	Can't open file	The indicated file can't be opened due to a file system error or to a missing source file.
C00005	Parser tabel error	Internal compiler error.
C00006	Parser non specified	Internal compiler error.
C00007	Unexpected end of file	The indicated file is truncated or the syntax is incomplete.
C00009	Reserved keyword	The indicated word can't be used for declaration purposes because is a keyword of the language.
C00010	Invalid element	The indicated word isn't a valid one for the language syntax.
C00011	Aborted by user	
C00032	Too many parameters in macro call	
C00033	Invalid number of parameters in macro call	
C00034	Too many macro calls nested	
C04097	Invalid variable type	The data type indicated isn't allowed.
C04098	Invalid location prefix	The address string of the indicated variable isn't correct, '%' missing.
C04099	Invalid location specification	The address string of the indicated variable isn't correct, the data access type indication isn't 'I', 'Q' or 'M'.
C04100	Invalid location type	The address string of the indicated variable isn't correct, the data type indication isn't 'X', 'B', 'W', 'D', 'R' or 'L'.
C04101	Invalid location index specification	The address string of the indicated variable isn't correct, the index isn't correct.
C04102	Duplicate variable name	The name of the indicated variable has already been used for some other project object.
C04103	Only 0 admitted here	The compiler uses only arrays zero-index based
C04104	Invalid array dimension	The dimension of the array isn't indicated in the correct way (e.g.: contains invalid characters, negative numbers etc.).
C04105	Constant not initialized	Every constant need to have an initial value.
C04106	Invalid string size	
C04107	Initialization exceeding string size	
C04108	Invalid repetition in initialization	
C04109	Invalid data type for initialization	
C04353	Duplicate label	The indicated label has already been defined in the current POU (program, function or function block).
C04354	Constant not admitted	The operation indicated doesn't allow to use constants (typically store or assign operations).
C04355	Address of explicit constant not defined	
C04356	Maximum number of subscripts exceeded	
C04358	Invalid array base	
C04359	Invalid operand	
C04609	Invalid binary constant	A constant value with 2# prefix must contain only binary digits (0 or 1).



ERROR CODE	SHORT DESCRIPTION	EXPLANATION
C04610	Invalid octal constant	A constant value with 8# prefix must contain only octal digits (between 0 and 7).
C04611	Invalid hexadecimal constant	A constant value with 16# prefix must contain only hexadecimal digits (between 0 and 9 and between A and F).
C04612	Invalid decimal constant	A decimal constant must contain only digits between 0 and 9, a leading sign + or -, a decimal separator '.' Or a exponent indicator 'e' or 'E'.
C04613	Invalid time constant	A constant value with t# prefix must contain a time indication in decimal notation and a time unit between 'ms', 's' or 'm'.
C04614	Invalid constant string	
C04864	Duplicate function name	The indicated function name has already been used for another application object.
C04865	Invalid function type	The data type returned by the indicated function is not correct.
C05120	Duplicate program name	The indicated program name has already been used for another application object.
C05376	Duplicate function block name	The indicated function block name has already been used for another application object.
C05632	Invalid pragma	
C05633	Invalid pragma value	
C05889	Duplicate macro name	
C05890	Duplicate macro parameter name	
C06144	Invalid resource definition: two or more tasks have the same ID	
C16385	Invalid init value	
C16386	Invalid initialization definition	
C16387	Invalid array delimiters (brackets)	
C16388	Empty init value	
C16389	Empty array init value	
C16390	Invalid repeated init value	
C16391	Not implemented	
C16392	Missing array delimiters (brackets)	
C16393	Missing comma	
C16394	Not implemented	
C16395	Invalid (incomplete) string	
D12289	Can't allocate database	The memory space needed for parameter's database exceeds the space available on the target system. If possible, remove unused parameter's records, menus etc.
D12290	Can't allocate database record	The memory space needed for parameter's database exceeds the space available on the target system. If possible, remove unused parameter's records, menus etc.
D12291	Database variable not found	Internal compiler error.
D12292	Invalid expression or expression syntax error	The database expression that has the result indicated isn't correct, contains syntax errors or invalid operators.



ERROR CODE	SHORT DESCRIPTION	EXPLANATION
D12293	Invalid parameter reference in expression	The database expression that has the result indicated contains a parameter (as operand) that isn't the same to which the expression refers to. The expression can use only PLC variables (including the variables associated with parameters) and the value of the parameter that is exchanged at the moment. For example: $pDELTA = DELTA / pRATIO + pOFFSET$ is correct because the parameter exchanged is DELTA and it's the only parameter value used in the expression. The expression: $pDELTA = DELTA / pRATIO + OFFSET$ isn't correct because the parameter OFFSET used in the expression isn't currently exchanged
D12294	Recursive expression	The database expression that has the result indicated calls itself by means of some operand used that contains the current expression result.
D12295	Unresolved variable in expression	The database expression that has the result indicated uses an operand that isn't defined in the whole PLC project.
D12296	Unresolved expression result	Internal compiler error.
D12297	Invalid result type for expression	The parameter that is the result of the expression has a data type invalid (such as enumerative) or not defined.
D12298	Invalid operand in expression	The database expression that has the result indicated uses an invalid operand.
D12299	Invalid variable type for expression	The variable that is the result of the expression has a data type invalid (such as enumerative) or not defined.
D12300	Assembler error	Internal compiler error.
D12301	Can't allocate database code	The code space needed for the expression is exhausted. Is necessary to remove some expressions from the parameter's database.
D12302	Invalid operation in expression	The database expression that has the result indicated uses an invalid operand.
F01025	Invalid network	The indicated FBD or LD network contains a connection error (the errors are normally indicated by red connections).
F01026	Unconnected pin	The indicated block (operator, function, contact or coil) has an unconnected pin.
F01027	Invalid connection (incomplete, more than a source etc.)	Internal compiler error.
F01028	More than one network per block	The network indicated contains more networks of blocks and variables not connected between them.
F01029	Ambiguous network evaluation	The compiler is not able to find an univocal way to establish the order of blocks execution.
F01030	Temporary variables allocation error	Internal compiler error.
F01031	Inconsistent network	The network indicated doesn't have input or output variables.
F01032	Invalid object connected to power rail	
F01033	Invalid use of pin negation (ADR operator does not allow negated input)	
F01034	Invalid use of pin negation (SIZEOF operator does not allow negated input)	



ERROR CODE	SHORT DESCRIPTION	EXPLANATION
G00001	Invalid operand number	The number of operands is not correct for the operand or the function indicated.
G00002	Variable not defined	The variable has not been defined in the local or global context.
G00003	Label not defined	The label indicated for the JMP operand isn't defined in the current POU (program, function or function block).
G00004	Function block not defined	The indicated instance refers to a function block not defined in the whole project.
G00005	Reference to object not defined	The indicated instance refers to an object not defined in the whole project.
G00006	Constant not admitted	The operation indicated doesn't allow to use constants (typically store or assign operations).
G00007	Code buffer overflow	The total size of code used for POU (programs, functions and function blocks) exceed the space available on the target system.
G00008	Invalid access to variable	The access made to the indicated variable is not allowed. An attempt to write a read-only variable or to read a write-only variable has been made.
G00009	Program not found	The indicated program doesn't exist in the current project.
G00010	Program already assigned to a task	The indicated program has been assigned to more than one task of the target system.
G00011	Can't allocate code buffer	There isn't enough memory on the PC to create the image of the code of the target system.
G00012	Function not defined	The indicated function doesn't exist in the current project.
G00013	Cyclic declaration of function blocks	The indicated function block call itself directly or by means of other functions.
G00014	Incompatible external declaration	The external variable declaration of the current function block doesn't match with the global variable definition it refers to (the one with the same name). Typically is the case of a type mismatch.
G00015	Accumulator extension	The access made to the indicated variable is not allowed. An attempt to write a read-only variable or to read a write-only variable has been made.
G00016	External variable not found	The external variable doesn't refer to any of the global variables of the project (e.g.: there isn't a global variable with the same name).
G00017	Program is not assigned to a task	The indicated program hasn't been assigned to a task in the target system.
G00018	Task not found in resources	The indicated task isn't defined in the target system.
G00019	No task defined for the application	There aren't task definitions for the target system. The target definition file (*.TAR) is missing or incomplete. Contact the target system vendor.
G00020	Far data allowed only for load/store operations in PROGRAMS	Huge memory access isn't allowed for function blocks, only for programs (error code valid only for some target system with NEAR/FAR data access).
G00021	Invalid processor type	The processor indicated into the target definition file (*.TAR) isn't correct or isn't supported by the compiler.
G00022	Function block with process image variables can't be used in event tasks	



ERROR CODE	SHORT DESCRIPTION	EXPLANATION
G00023	Process image variables can't be used in event tasks	
G00024	Accumulator undefined	
G00025	Invalid index	
G00026	Only constant index allowed	
G00027	Illegal reference to the address of a register	
G00028	Less then 10% of free code	
G00029	Index exceeds array size	
G00030	Access to array as scalar - assuming index 0	
G00031	Number of indexes not matching the var size	
G00032	Multidimensional variables not supported	
G00033	Invalid data type	
G00034	Invalid operand type	
G00035	Assembler error	
G00036	Aborted by user	
G00037	Element not defined	
G00038	Cyclic declaration of structures	
G00039	Cyclic declaration of typedefs	
G00040	Unresolved definition of typedef	
G00041	Exceeding dimensions in typedef	
G00042	Unable to allocate compiler internal data	
G00043	CODE GENERATOR INTERNAL ERROR	
G00044	Real data not supported	
G00045	Long real data not supported	
G00046	Long data not supported	
G00047	Operation not implemented	
G00048	Invalid operator	
G00049	Invalid operator value	
G00050	Unbalanced parentheses	
G00051	Data conversion	
G00052	To be implemented	
G00053	Invalid index data type	
G00054	Negation without condition	
G00055	Operation not allowed on boolean	
G00056	Negation of a non-boolean operand	
G00057	Boolean operand required	
G00058	Floating point parameter not allowed	
G00059	Operand extension	



ERROR CODE	SHORT DESCRIPTION	EXPLANATION
G00060	Division by zero	
G00061	Illegal comparison	
G00062	Function block must be instanciated	
G00063	String operand not allowed	
G00064	Operation not allowed on pointers	
G00065	Destination may be too small to store current result	
G00066	Cannot use a function block containing external variables with process image in more than one task	
G00067	Cannot load the address of an explicit constant	
G00068	Writing a real value into an integer variable	
G00069	Cannot use complex variables in functions. Not implemented	
G00070	Signed/unsigned mismatch	
G00071	Conversion data types mismatch, possible loss of data	
G00072	Implicit type conversion of boolean to integer	
G00073	Implicit type conversion of boolean to real	
G00074	Implicit type conversion of integer to boolean	
G00075	Implicit type conversion of integer to boolean	
G00076	Implicit type conversion of real to boolean	
G00077	Implicit type conversion of real to integer	
G00078	Arithmetic operations require numerical operands	
G00079	Bitwise logical operations require bitstring/integer operands	
G00080	Comparison operations require elementary (i.e., not user-defined) operands	
G00081	Cannot take the address of a bit variable	
G00082	Writing a signed value into an unsigned variable	
G00083	Writing an unsigned value into a signed variable	
G00084	Implicit conversion from single to double precision	
G00085	Implicit conversion from double to single precision	
G00086	Function parameter extension	





ERROR CODE	SHORT DESCRIPTION	EXPLANATION
G00087	Casting to the same type has no effects	
G00088	Function parameters wrong number	
G00089	Embedded target function not found	
G00090	Recursive type declaration	
G00091	Wrong initial value. Signed/unsigned mismatch	
G00092	Wrong initial value. Conversion data types mismatch, possible loss of data	
G00093	String will be truncated	
G00094	Init value type mismatch	
G00095	Improper init value	
G00096	Init value object not found	
G00097	Invalid assignment to pointer	
G00513	Invalid operator	The operator indicated is not allowed for the indicated operation.
G00514	Operation not implemented	The operator indicated isn't supported by the current target system.
G00515	Real data not supported	The target system in use doesn't support floating point operations.
G00516	Destination may be too small to store current result	The variable destination of the store/assignment operation has a data type smaller than the one of the accumulator. Data may be lost in the operation. For example, if the accumulator contains 340 and the destination operand is of SINT type, the assignment operation will lose data. If the operation is under the programmer's control an appropriate type conversion function (TO_SINT, TO_INT, TO_DINT etc.) can be used to eliminate the warning message.
G00517	Long data not supported	The target system in use doesn't support long data operations.
G00518	Accumulator extension	The variable destination of the store/assignment operation has a data type bigger than the one of the accumulator. An extension operation has been performed automatically by the compiler. To eliminate this warning message use the appropriate type conversion function (TO_SINT, TO_INT, TO_DINT etc.).
G00519	Assembler error	Internal compiler error.
G00520	Negation allowed only on boolean	The 'N' modifier used for some IL operators (LDN, STN, ANDN etc.) can't be used with operators having type other than boolean.
G00521	Operation allowed with boolean types	The IL operator indicated (typically 'S' or 'R') can't be used when the accumulator has a type other than BOOL.
G00522	Instruction has constant result	The indicated operation has a result that is constant (ex. multiply by 0, AND with FALSE).
G00523	Instruction is a NOP	The operation indicated has no influence on the value of the accumulator (ex. multiply by 1, AND with TRUE).



ERROR CODE	SHORT DESCRIPTION	EXPLANATION
G00524	Unbalanced parentheses	The number of opened parentheses doesn't match with the number of the closed parentheses in the indicated code block.
G00525	Operation not allowed on boolean	The indicated operation can't be performed on boolean operands (ex. the arithmetic operations).
G00526	Can't perform modulo with long values	The current target system doesn't allow the modulo operation with long data types.
G00527	Division by 0	The indicated division operation has the constant value 0 as denominator.
G00528	Negation without condition	The indicated operation (JMP or RET) has the negation modifier 'N' without the conditional evaluation modifier 'C'. Use JMPCN instead of JMPN or RETCN instead of RETN.
G00529	Initial value not defined	Internal compiler error.
G00530	Invalid initial value	The initial value of the variable isn't indicated correctly.
G00531	Invalid accumulator type	The accumulator has a data type not allowed for the indicated operation (ex. MUX operator with REAL accumulator).
G00532	Code generator internal error	Internal compiler error.
G00533	Invalid operator value	The operator has a value not acceptable for the indicated operation (ex. SHL with constant value bigger than 32).
G00534	Accumulator undefined	The operation is performed without a previously loaded value into the accumulator.
G00535	Invalid index	The constant index value used in the indicated expression is too big for the array dimension. See the array declaration string.
G00536	Only constant index allowed	The use of variable as index for the indicated array is not supported by the compiler. This error is typically issued with boolean (bit) arrays.
G00537	Indexing of boolean constants not allowed	The use of variable as index for the indicated array is not supported by the compiler. This error is typically issued with boolean (bit) arrays.
G00538	Return not allowed from programs	The RET operator isn't allowed in PROGRAM blocks.
G00539	Function block must be instantiated	A function block can't be invoked directly with a CAL instruction. It must be instantiated before its use eg. must be a variable with data type corresponding to the function block instead.
G00540	Operation not allowed with real types	The indicated operation can't be executed on REAL data types. Instructions of this kind are logical and bitwise operations.
G00541	Accumulator conversion	This warning informs that the data type of the accumulator has been automatically converted by the compiler. This operation is typically executed when the accumulator and the operand used in a arithmetic operation have different data types.
G00542	Real accumulator must be reloaded	Some target-specific implementations with software floating point emulation require that each store operation shall be preceded by a new load operation or a arithmetic sequence.
G00543	Real accumulator not stored	Some target-specific implementations with software floating point emulation require that when the floating point stack has been loaded, the same shall be unloaded at the end of arithmetic sequence.



ERROR CODE	SHORT DESCRIPTION	EXPLANATION
G00544	Long real data not supported	The long real data type LREAL isn't supported by the compiler.
G00769	Invalid operator	The operator indicated is not allowed for the indicated operation.
G00770	Operation not implemented	The operator indicated isn't supported by the current target system.
G00771	Assembler error	Internal compiler error.
G00772	Long real data not supported	The long real data type LREAL isn't supported by the compiler.
G00773	Long data not supported	The long data type LINT isn't supported by the compiler.
G00774	Negation of a non-boolean parameter	The negation modifier 'N' can't be used in operations with data types different than boolean.
G00775	Operation not allowed on boolean	The indicated operation can't be performed on boolean operands (ex. the arithmetic operations).
G00776	Accumulator extension	The variable destination of the store/assignment operation has a data type bigger than the one of the accumulator. An extension operation has been performed automatically by the compiler. To eliminate this warning message use the appropriate type conversion function (TO_SINT, TO_INT, TO_DINT etc.).
G00777	Accumulator undefined	The operation is performed without a previously loaded value into the accumulator.
G00778	Destination may be too small to store current result	The variable destination of the store/assignment operation has a data type smaller than the one of the accumulator. Data may be lost in the operation. For example, if the accumulator contains 340 and the destination operand is of SINT type, the assignment operation will lose data. If the operation is under the programmer's control an appropriate type conversion function (TO_SINT, TO_INT, TO_DINT etc.) can be used to eliminate the warning message.
G00779	Division by zero	The indicated division operation has the constant value 0 as denominator.
G00780	Operation allowed on real parameters only	The indicated operation can't be executed on REAL data types. Instructions of this kind are logical and bitwise operations.
G00781	Illegal comparison	The indicated comparison operation is executed between non homogeneous data types.
G00782	Negation without condition	The indicated operation (JMP or RET) has the negation modifier 'N' without the conditional evaluation modifier 'C'. Use JMPCN instead of JMPN or RETCN instead of RETN.
G00783	Boolean parameter required	The IL operator indicated (typically 'S' or 'R') can't be used when the accumulator has a type other than BOOL.
G00784	Operand extension	The data type of the operand has been extended to the data type of the accumulator. Then the operation is executed. The operand extension take place whenever the operand data type is smaller than the accumulator data type.
G00785	Does not support float accumulator	The accumulator has REAL data type and it's not allowed for the indicated operation (typically MUX operation).
G00786	Does not support boolean accumulator	The accumulator has boolean data type and isn't allowed for the indicated operation (ex. MUX operator).



ERROR CODE	SHORT DESCRIPTION	EXPLANATION
G00787	Comparison of unsigned type and signed type	The compare operation indicated is performed using operators that have signed and unsigned data type. Undesired or uncontrolled result may be possible.
G00788	Illegal conversion	Internal compiler error.
G00789	Conversion may result in loss or corruption of data	Error code not used.
G00790	Illegal negation of a real parameter	Error code not used.
G00791	Writing a real value into an integer var / param	The parameter passed to the function is of REAL type instead of an integer data type as required by the function input variables definition.
G00792	Writing an integer value into a real var / param	The parameter passed to the function is of an integer data type instead of the REAL type as required by the function input variables definition.
G00793	Writing a signed value into an unsigned var / param	The assignment operation is performed on an unsigned data type variable but the accumulator data type has a signed data type. Undesired result may be possible.
G00794	Writing an unsigned value into a signed var / param	The assignment operation is performed on an unsigned data type variable but the accumulator data type has a signed data type. Undesired result may be possible.
G00795	Unbalanced parentheses	The number of opened parentheses doesn't match with the number of the closed parentheses in the indicated code block.
G00796	Error while extending parameters	Internal compiler error.
G00797	Invalid index	The constant index value used in the indicated expression is too big for the array dimension. See the array declaration string.
G00798	Using a boolean index to access an element of array	The indicated array access is incorrect because the index variable used has a boolean data type.
G00799	Return not allowed from programs	The RET operator isn't allowed in PROGRAM blocks.
G00800	Boolean accumulator required	The indicated SEL operator requires that the accumulator has the boolean data type.
G00801	Operators have mismatching type	The selection performed by MUX and SEL operators shall be done between elements that have homogeneous data types.
G00802	Function block must be instantiated	A function block can't be invoked directly with a CAL instruction. It must be instantiated before its use eg. must be a variable with data type corresponding to the function block instead.
G01537	Using a boolean index to access an element of array	
G01538	Does not support boolean accumulator	
G01539	Does not support float accumulator	
G01540	Error while extending operand(s)	
G01541	Writing a signed value into an unsigned variable	
G01542	Writing an unsigned value into a signed variable	
G01543	Writing a real value into an integer variable	



ERROR CODE	SHORT DESCRIPTION	EXPLANATION
G01544	Writing an integer value into a real variable	
G01545	Converting a string into a number	
G01546	Converting a number into a string	
G01547	FPU stack full	
G01548	FPU stack empty	
G01549	FPU stack size error	
G01550	Illegal access to variable through function	
G01551	Illegal reference to address of variable accessible through function	
G01552	Invalid access through function	
G01553	Two variables with the same handle	
G01554	Invalid index for variable accessible through function	
G01555	Invalid instruction with non-empty FPU stack	
G01556	Function result of type string requires store to variable	
G08193	Type definition of unknown data type	
G08194	Type definition has exceeded array dimensions	
G08195	Cyclic definition of data type	
G08196	Double pointers are not supported	
G08197	No enumerative elements	
G08199	Invalid or undefined initialization constant	
G10241	Too many initializer for variable	
G10242	Too less initializer for variable	
G10243	Constant without init values	
P02048	Can't open parameters file	The source file for parameters (with PPC extension) can't be opened because of is missing or is locked by the PC's file system.
P02049	Symbol table file not created	The symbol allocation file (with SYM extension) can't be written because of disk write protection or insufficient disk space.
P02050	Can't create parameters file	The parameters file (with PAR extension) can't be written because of disk write protection or insufficient disk space.
P02051	Can't create directory	The directory for the new project can't be created. The problem arises when there is a disk write protection or when the new directory indicated for the project is more than one level deep form an existing disk directory. The compiler creates only one new directory level (the one with the name of the project) starting from an existing directory.



ERROR CODE	SHORT DESCRIPTION	EXPLANATION
P02052	Can't open source project	The source project indicated for creating the new project doesn't exist, is incomplete or is locked by the file system.
P02053	Save project error	The new project can't be saved due to disk write protection, non existing destination directory or file system lock.
P02054	Generic file error	A non specific error occurred during file operations.
P02055	Can't copy file	The indicated file can't be copied because of missing source file, disk write protection or destination file existing and protected.
P02056	Can't save file	The indicated file can't be saved because of disk write protection or destination file existing and protected.
P02057	Object already exist in project	The indicated object (variable, function, function block or program) is contained in the last loaded library but there is already another object with the same name in the current project.
P02058	Can't open library file	The indicated library file doesn't exists or can't be opened due to file system locking.
P02059	Listing file not created	
P02060	Cannot create PLC application binary file	
P02061	Can't open template project	
P02062	Support for processor isn't available	
P02063	Less than 10% of free code	
P02064	Less than 10% of free data	
P02065	Less than 10% of free retain data	
P02066	Less than 10% of free bit data	
P02067	Task not found in resources	
P02068	No task defined for the application	
P02069	Project is in the old PPJ format. It will be saved in the actual PPJX format	
P02070	Can't open auxiliary source file	
P02071	Can't read file	
P02072	Application name is longer than 10 characters: only the first 10 characters will be downloaded into the target	
P02073	Downloadable source code file is not password-protected	
P02074	Downloadable PLC application binary file not created	
P02075	Less than 10% of free ext/aux data	
P02076	Project private copy of this library was missing and has been replaced with a new copy of the library (from the original path)	



ERROR CODE	SHORT DESCRIPTION	EXPLANATION
P02077	Cannot load library! Project private copy of this library was missing and the original path to the library is invalid: library has been dropped	
P02078	PLC variables export file not created	
P02079	Debug symbols package (for following download to the target device) not created	
P02080	Source code package (for following download to the target device) not created	
P02081	Invalid task definition	
P02083	Invalid or incoherent task period	
P02084	Broken library link	
S01281	Generic ST error	
S01282	Too many expressions nested	
S01283	No iteration to exit from	
S01284	Missing END_IF	
S01285	Invalid ST statement	
S01286	Invalid assignment	
S01287	Missing;	
S01288	Invalid expression	
S01289	Invalid expression or missing DO	
S01290	Missing END_WHILE	
S01291	Missing END_FOR	
S01292	Missing END_REPEAT	
S01293	Invalid expression or missing THEN	
S01294	Invalid expression or missing TO	
S01295	Invalid expression or missing BY	
S01296	Invalid statement or missing UNTIL	
S01297	Invalid assignment, := expected	
S01298	Invalid address expression	
S01299	Invalid size expression	
S01300	Function return value ignored	
S01301	Invalid parameter passing	
S01302	Function parameter not defined	
S01303	Useless expression	
S01304	Unbalanced parentheses	
S01305	Unknown function	
S01306	Invalid function parameter(s) specification	
S01307	Function parameter doesn't exist	



ERROR CODE	SHORT DESCRIPTION	EXPLANATION
S01308	Multiple assignment not allowed (in accordance with IEC 61131-3)	
S01309	ST preprocessor buffer overflow	
S01310	Function block invocation of a non-function block instance	
S01311	Missing END_WAITING	
S01312	Syntax error	
S01537	Generic SFC error	
S01538	Initial step missing	
S01539	Output connection missing	
S01540	The output pin must be connected to a transition	
S01541	Every output pin of a transition must be connected to a step/jump block	
S01542	Transition expected	
S01543	Step or jump expected	
S01544	Could not find the associate program code	
S01545	Could not find the condition code	
S01546	Unknown-type transition	
S01547	Invalid destination	
S01548	Duplicates action. Same SFC action cannot be used in more than one step	
T08193	Communication timeout	The communication with the target system failed because there is non answer from the system itself. More common causes of this problem are wrong cable connection, invalid target address in communication settings, invalid settings of communication parameters (such as baud rate), target system failure.
T08194	Incompatible target version	Error code not used.
T08195	Invalid code file	The target system image file (with IMG extension) is invalid or corrupted. Try to upload and create new version of the image file using the "Communication &Uuml; Upload image file" menu option.
T08196	Invalid data block index	The image file (with IMG extension) contains a data block that has an index greater than the largest index supported by the target system. Try to upload and create new version of the image file using the "Communication &Uuml; Upload image file" menu option. If the problem persist, contact the target system vendor.
T08197	Invalid target information address	Internal compiler error.
T08198	Flash erase failure	The target system was not able to complete the flash erasure procedure. Contact the target system vendor for details.
T08199	Code write failure	The target system was not able to complete the flash programming procedure. Contact the target system vendor for details.





ERROR CODE	SHORT DESCRIPTION	EXPLANATION
T08200	Communication device unavailable	The compiler tried to communicate with the target system but the communication channel is not available. If the problem persist and there are other applications that communicate with the target system, deactivate the communication on the other applications and try again.
T08201	Invalid function index	Internal compiler error.
T08202	Invalid database information address	The address of the parameter's database memory area of the target system isn't correct or valid. Try to upload and create new version of the image file using the "Communication Upload image file" menu option.
T08203	Invalid target information	
T08204	Rebuild required	
T08205	Invalid task	
T08206	Application-level communication protocol error: PLC run-time was not able to understand the received command	
T08207	Not implemented	
T08209	No room for source file on the target	
T08210	Error while uploading source code from target device	
T08211	No room for debug symbols on the target	
T08212	Memory read error	
T08213	Memory write error	
T08214	Not enough space available on the target device for the PLC application binary	

