

Appendix 1.1. Supplier Statement

Supplier name	OMRON Corporation
Supplier address	2-1, 2 CHOME, NISHIKUSATSU
City	KUSATSU-CITY
Country	JAPAN
Phone	+81-77-565-5225
Fax	+81-77-565-5567
Website	https://www.omron.co.jp/
Product name	Sysmac Studio
Product version	1.x
Release date	14 January 2020
Certified by	TÜV Rheinland

I hereby state that the following tables as filled out and submitted correspond to our product and the accompanying user manual, as stated above.

Name of representative:
Masato Aono

Date of signature (dd/mm/yyyy):
27/03/2020

Signature:



Supported Functions and FBs	Basic Level Supported as v1.0 / v2.01?	Ext. Level Supported as v1.0 / v2.01?	Comments (< 48 Words)
AND	-	v1.0	
OR	-	v1.0	
XOR, NOT	-	v1.0	
ADD, MUL, SUB, DIV, MOD, EXPT +, *, -, /, MOD, **	-	v1.0	ADD, MUL, SUB, DIV
NEG, - *	-	-	
EQ, NE, =, <>	-	v1.0	
GT, GE, LE, LT >, >=, <=, <	-	v1.0	
SEL, MAX, MIN, LIMIT, MUX *	-	-	
Type Conversion functions	-	v1.0	BOOL_TO_DINT, BOOL_TO_INT, BOOL_TO_TIME, BOOL_TO_WORD, BYTE_TO_DINT, BYTE_TO_INT, BYTE_TO_TIME, BYTE_TO_WORD, DINT_TO_BOOL, DINT_TO_BYTE, DINT_TO_DWORD, DINT_TO_INT, DINT_TO_TIME, DINT_TO_WORD, DWORD_TO_DINT, DWORD_TO_TIME, INT_TO_BOOL, INT_TO_BYTE, INT_TO_DINT, INT_TO_DWORD, INT_TO_TIME, INT_TO_WORD, TIME_TO_BOOL, TIME_TO_BYTE, TIME_TO_DINT, TIME_TO_DWORD, TIME_TO_INT, TIME_TO_WORD, WORD_TO_BOOL, WORD_TO_BYTE, WORD_TO_DINT, WORD_TO_DWORD, WORD_TO_INT, WORD_TO_TIME
Time functions	-	v1.0	ADD, MUL, SUB, DIV
Unary REAL functions *	-	-	Specify which
TON	-	v1.0	
TOF	-	v1.0	
TP	-	v1.0	
CTU	-	v1.0	
CTD	-	v1.0	
CTUD	-	v1.0	
Bistable FB (SR, RS)	-	v1.0	SF SR, SF RS
Edge detection	-	v1.0	SF F TRIG, SF R TRIG
Others?	-	-	Specify which
Selection functions *	-	v1.0	SEL, MUX

* v1.0 only / *version 2.01 only

Table 4: Supported Functions and Function Blocks at Basic Level

Description	Ext. Level Supported as v2.01	Comments
(expression)	-	
Identifier (argument list)	-	
A := B; CV := CV+1; C:= ABS(X);	-	
Function Block Instance (...)	-	
RETURN;	-	
IF ... THEN ... ELSIF ... THEN ... ELSE ... END IF	-	
CASE ... OF ... ELSE ... END CASE	-	
FOR ... TO ... BY ... DO ... END FOR	-	
EXIT	-	
CONTINUE	-	
Others?	-	

Table 5: Supported functionality of ST at Extended Level

Appendix 1.3. Overview of the supported Function Blocks

Function Blocks	Supported as v1.0 / v2.01?	Comments (<= 48 Characters)
SF ResetButton *	-	
SF Equivalent	v1.0	
SF Antivalent	v1.0	
SF ModeSelector	v1.0	
SF EmergencyStop	v1.0	
SF ESPE	v1.0	
SF PSE *	-	
SF TwoHandControlTypeII	v1.0	
SF TwoHandControlTypeIII	v1.0	
SF TestableSafetySensor	v1.0	
SF MutingSeq	v1.0	
SF MutingPar	v1.0	
SF MutingPar_2Sensors	v1.0	
SF EnableSwitch	v1.0	
SF EnableSwitch 2 *	-	
SF Guard *	-	
SF GuardLocking 2 *	-	
SF GuardLockingSerial *	-	
SF Override *	-	
SF SafetyRequest	v1.0	
SF OutControl	v1.0	
SF EDM	v1.0	
SF SafeStop1 *	-	

SF SafeStop2 *	-	
SF SafetyGuard Monitoring *	v1.0	SF GuardMonitoring
SF SafelyLimitedSpeed *	-	
SF GuardLocking *	v1.0	

*version 1.0 only / *version 2.01 only

Table 6: Overview of the function blocks