Appendix 1.1. Supplier Statement

Supplier name	OMRON Corporation
Supplier address	2-1, 2 CHOME, NISHIKUSATSU
City	KUSATSU-CITY
Country	JAPAN
Phone	+81-77-565-5752
Fax	+81-77-565-5564
Website	https://www.ia.omron.com/
Product name	Sysmac Studio
Product version	1.63
Release date	14 July 2025
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:
Takehiro Sato

Date of signature (dd/mm/yyyy):

25/08/2025

Signature:

Takehiro Sato

Supported Functions and FBs	Supported Basic Level	Supported Ext.Level	Comments (< 48 Words)
AND	-	X	
OR	-	X	
XOR, NOT	-	X	
ADD, MUL, SUB, DIV, MOD, EXPT +, *, -, /, MOD, **	-	X	ADD, MUL, SUB, DIV
NEG, -	-	-	
EQ, NE, =, <>	-	X	
GT, GE,LE, LT >, >=, <=, <	-	X	
SEL, MAX, MIN, LIMIT, MUX	-	-	
Type Conversion functions	-	X	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	-	X	ADD, MUL, SUB, DIV
Unary REAL functions	-	-	Specify which
TON	-	X	
TOF	-	X	
TP	-	X	
CTU	-	X	
CTD	-	X	
CTUD	-	X	
Bistable FB (SR, RS)	-	X	
Edge detection	-	X	
Others?	-	X	SEL, MUX

Table 4: Supported Functions and Function Blocks at Basic Level

Description	Supported at Extended Level	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	Comments (<= 48 Characters)
SF_ResetButton	-	
SF_Equivalent	X	
SF_Antivalent	X	
SF_ModeSelector	X	
SF_EmergencyStop	X	
SF_ESPE	X	
SF_PSE	-	
SF_TwoHandControlTypeII	X	
SF_TwoHandControlTypeIII	X	
SF_TestableSafetySensor	X	
SF_MutingSeq	X	
SF_MutingPar	X	
SF_MutingPar_2Sensors	X	
SF_EnableSwitch	X	
SF_EnableSwitch_2	-	
SF_Guard	X	SF_GuardMonitoring
SF_GuardLocking_2	X	SF_GuardLocking Version 1.0
SF_GuardLockingSerial	-	
SF_Override	-	
SF_SafetyRequest	X	
SF_OutControl	X	
SF_EDM	X	

Table 6: Overview of the function blocks