

# UK Declaration of Conformity

System SLIO / 09.2024

**Manufacturer:** YASKAWA Europe GmbH

**Address:** Philipp-Reis-Str. 6  
65795 Hattersheim  
Germany

**Product Family:** System SLIO

**Herewith we declare under our sole responsibility that the indicated product family is in conformance with the relevant statutory requirements applicable:**

- The Electromagnetic Compatibility Regulations S.I. 2016 No. 1091  
Additional details concerning adherence to these regulations are provided in Annex EMC.
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations S.I. 2012 No. 3032  
Additional details concerning adherence to these regulations are provided in Annex RoHS.

YASKAWA Europe GmbH

Hattersheim, 10th September 2024

H. Teichert  
Manager Quality Assurance

\_\_\_\_\_  
Name, Function

\_\_\_\_\_  
Signature

**The Annex is part of this declaration. While this declaration indicates conformance with the regulations listed, it does not imply any guarantee with respect to the product liability laws. The safety notes included with the product documentation must be observed.**

# Annex EMC

## for UK Declaration of Conformity

### System SLIO / 09.2024

**Product Family: System SLIO**

**Conformity of the designated products with the Electromagnetic Compatibility Regulations 2016 No. 1091 is demonstrated by adherence to the following standards:**

**Designated Standards:**

<b>Reference number</b>	<b>date of issue</b>
EN 61131-2	2007
EN 61000-6-2	2005 + AC:2005
EN 61000-6-4	2007 + A1:2011

**In addition, the more recent versions of the following standards have been applied:**

<b>Reference number</b>	<b>date of issue</b>
EN IEC 61000-6-2	2019
EN IEC 61000-6-4	2019

**The System SLIO product family to which the UKCA marking applies with respect to 2016 No. 1091 consists of the following components:**

All Article numbers may be followed by “-C” or “-E”; e.g. 007-0AA00-C

**Power Modules**

007-0AA00	PM 007, DC 24V 10A, CPU/Coupler
007-1AB00	PM 007, DC 24V 10A
007-1AB10	PM 007, DC 24V 4A, DC 24V/5V 2A

**CPUs STEP7, SPEED7**

013-CCF0R00	CPU 013C
014-CEF0xyz	CPU 014 (with x=M,R,S ; y=0,2,3 and z=0,1)
015-CEFPxyz	CPU 015PN (with x=M,R,S; y=0,2,3,4 and z=0,1)
015-CEFNR00	CPU 015N
017-CEFPR00	CPU 017PN
019-CEFPM00	CPU 019PN

**Digital Input Modules**

021-1BB00	SM 021, DI 2xDC 24V
021-1BB10	SM 021, DI 2xDC 24V 2µs...4ms
021-1BB50	SM 021, DI 2xDC 24V NPN
021-1BB70	SM 021, DI 2xDC 24V ETS
021-1BD00	SM 021, DI 4xDC 24V
021-1BD10	SM 021, DI 4xDC 24V 2µs...4ms
021-1BD40	SM 021, DI 4xDC 24V, 3-Leiter
021-1BD50	SM 021, DI 4xDC 24V NPN
021-1BD70	SM 021, DI 4xDC 24V ETS
021-1BD80	SM 021, DI 4xDC 24V ETS NPN
021-1BF00	SM 021, DI 8xDC 24V
021-1BF01	SM 021, DI 8xDC 24V 0,5ms
021-1BF50	SM 021, DI 8xDC 24V NPN
021-1BF51	SM 021, DI 8xDC 24V 0,5ms NPN
021-1BH00	SM 021, DI 16xDC 24V
021-1DF00	SM 021, DI 8xDC 24V Diagnose
021-1DF50	SM 021, DI 8xDC 24V Diagnose NPN

**Digital Output Modules**

022-1BB00	SM 022, DO 2xDC 24V 0,5A
022-1BB20	SM 022, DO 2xDC 24V 2A
022-1BB50	SM 022, DO 2xDC 24V 0,5A NPN
022-1BB70	SM 022; DO 2xDC 24V, 0,5A ETS
022-1BB90	SM 022, DO 2xDC 24V 0,5A PWM
022-1BD00	SM 022, DO 4xDC 24V 0,5A
022-1BD20	SM 022, DO 4xDC 24 V 2 A
022-1BD50	SM 022, DO 4xDC 24V 0,5A NPN
022-1BD70	SM 022, DO 4xDC 24V, 0,5A ETS
022-1BF00	SM 022, DO 8xDC 24 V 0,5A
022-1BF01	SM 022, DO 8xDC 24 V 0,5A
022-1BF50	SM 022, DO 8xDC 24V 0,5A NPN
022-1BH00	SM 022, DO 16xDC 24 V 0,5A
022-1BH50	SM 022, DO 16xDC 24 V 0,5A NPN
022-1DF00	SM 022, DO 8xDC 24 V 0,5A Diagnose

**Analogue Input Modules**

031-1BB10	SM 031, AI 2x12Bit 2Wire ISO
031-1BB30	SM 031, AI 2x12Bit 0...10V

031-1BB40	SM 031, AI 2x12Bit 0/4...20mA
031-1BB60	SM 031, AI 2x12Bit 2Wire
031-1BB70	SM 031, AI 2x12Bit $\pm 10V$
031-1BB90	SM 031, AI 2x16Bit TC
031-1BD30	SM 031, AI 4x12Bit 0...10V
031-1BD40	SM 031, AI 4x12Bit 0/4...20mA
031-1BD70	SM 031, AI 4x12Bit $\pm 10V$
031-1BD80	SM 031, AI 4x16Bit R, RTD
031-1BF60	SM 031, AI 8x12Bit 0/4...20mA
031-1BF74	SM 031, AI 8x12Bit $\pm 10V$
031-1CA20	SM 031, AI 1x16Bit Strain Gauge
031-1CB30	SM 031, AI 2x16Bit 0...10V
031-1CB40	SM 031, AI 2x16Bit 0/4...20mA
031-1CB70	SM 031, AI 2x16Bit $\pm 10V$
031-1CD30	SM 031, AI 4x16Bit 0...10V
031-1CD35	SM 031, AI 4x16Bit 0...10V
031-1CD40	SM 031, AI 4x16Bit 0/4...20mA
031-1CD45	SM 031, AI 4x16Bit 0/4...20mA
031-1CD70	SM 031, AI 4x16Bit $\pm 10V$
031-1LB90	SM 031, AI 2x16Bit TC
031-1LD80	SM 031, AI 4x16Bit R, RTD

### **Analogue Output Modules**

032-1BB30	SM 032, AO 2x12Bit 0...10V
032-1BB40	SM 032, AO 2x12Bit 0/4...20mA
032-1BB70	SM 032, AO 2x12Bit $\pm 10V$
032-1BD30	SM 032, AO 4x12Bit 0...10V
032-1BD40	SM 032, AO 4x12Bit 0/4...20mA
032-1BD70	SM 032, AO 4x12Bit $\pm 10V$
032-1CB30	SM 032, AO 2x16Bit 0...10V
032-1CB40	SM 032, AO 2x16Bit 0/4...20mA
032-1CB70	SM 032, AO 2x16Bit $\pm 10V$
032-1CD30	SM 032, AO 4x16Bit 0...10V
032-1CD40	SM 032, AO 4x16Bit 0/4...20mA
032-1CD70	SM 032, AO 4x16Bit $\pm 10V$

### **Communication Modules**

040-1BA00	CP 040, CP RS232
040-1CA00	CP 040, CP RS422/485

**Fieldbus Master Modules**

042-11000 CP 042, IO-Link Master

**Counter Modules**

050-1BA00 FM 050, COUNTER 1x32Bit DC 24V  
050-1BA10 FM 050, COUNTER 1x32Bit DC 5V  
050-1BB00 FM 050, COUNTER 2x32Bit DC 24V  
050-1BB30 FM 050, COUNTER 2x32Bit DC 24V ECO  
050-1BB40 FM 050, FREQUENCY MEAS. 2x24Bit DC 24V 600kHz

**SSI-Modules**

050-1BS00 FM 050, SSI RS422 24/32Bit 100/300/600kBit/s

**Interface Modules**

053-1CA00 IM 053CAN, CANopen-Slave  
053-1DN00 IM 053DN, DeviceNet-Slave  
053-1DP00 IM 053DP, PROFIBUS-DP-Slave  
053-1EC0z IM 053EC, EtherCAT-Slave (with z=0,1)  
053-1IP0z IM 053IP, EtherNet/IP-Slave (with z=0,1)  
053-1ML00 IM 053ML, MECHATROLINK-Slave  
053-1ML40 IM 053ML-4, MECHATROLINK-4-Slave  
053-1MT0z IM 053MT, Modbus/TCP-Slave (with z=0,1)  
053-1PN0z IM 053PN, PROFINET-IO-Device (with z=0,1)

**Positioning-Modules**

054-1BA00 FM 054, 1xStepper DC 24V 1,5A  
054-1CB00 FM 054, 2xDC Mot DC 24V 1,5A  
054-1DA00 FM 054, 1xPulseTrain RS422 0-1000kHz, DC 24V  
054-2BA10 FM 054, 1xStepper DC 48V 5A

**Line Extension Modules**

060-1AA0z IM 060, Line Extension (with z=0,1)  
061-1BA0z IM 061, Line Extension (with z=0,1)

# Annex RoHS

## for UK Declaration of Conformity

### System SLIO / 09.2024

**Product Family: System SLIO**

**Conformity of the designated products with the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 No. 3032 is demonstrated by adherence to the following standards:**

**Designated Standards:**

<b>Reference number</b>	<b>date of issue</b>
EN IEC 63000	2018

**The System SLIO product family to which the UKCA marking applies with respect to 2012 No. 3032 consists of the following components:**

All Article numbers may be followed by "-C" or "-E"; e.g. 007-0AA00-C

**Clamp Modules**

001-1BA00	Potential distributor 8xDC 24V
001-1BA10	Potential distributor 8xDC 0V
001-1BA20	Potential distributor 4xDC 24V, 4xDC 0V

**Power Modules**

007-0AA00	PM 007, DC 24V 10A, CPU/Coupler
007-1AB00	PM 007, DC 24V 10A
007-1AB10	PM 007, DC 24V 4A, DC 24V/5V 2A

**CPUs STEP7, SPEED7**

013-CCF0R00	CPU 013C
014-CEF0xyz	CPU 014 (with x=M,R,S ; y=0,2,3 and z=0,1)
015-CEFPxyz	CPU 015PN (with x=M,R,S; y=0,2,3,4 and z=0,1)
015-CEFNR00	CPU 015N
017-CEFPR00	CPU 017PN
019-CEFPM00	CPU 019PN

**Digital Input Modules**

021-1BB00	SM 021, DI 2xDC 24V
021-1BB10	SM 021, DI 2xDC 24V 2µs...4ms
021-1BB50	SM 021, DI 2xDC 24V NPN
021-1BB70	SM 021, DI 2xDC 24V ETS
021-1BD00	SM 021, DI 4xDC 24V
021-1BD10	SM 021, DI 4xDC 24V 2µs...4ms
021-1BD40	SM 021, DI 4xDC 24V, 3-Leiter
021-1BD50	SM 021, DI 4xDC 24V NPN
021-1BD70	SM 021, DI 4xDC 24V ETS
021-1BD80	SM 021, DI 4xDC 24V ETS NPN
021-1BF00	SM 021, DI 8xDC 24V
021-1BF01	SM 021, DI 8xDC 24V 0,5ms
021-1BF50	SM 021, DI 8xDC 24V NPN
021-1BF51	SM 021, DI 8xDC 24V 0,5ms NPN
021-1BH00	SM 021, DI 16xDC 24V
021-1DF00	SM 021, DI 8xDC 24V Diagnose
021-1DF50	SM 021, DI 8xDC 24V Diagnose NPN

**Digital Output Modules**

022-1BB00	SM 022, DO 2xDC 24V 0,5A
022-1BB20	SM 022, DO 2xDC 24V 2A
022-1BB50	SM 022, DO 2xDC 24V 0,5A NPN
022-1BB70	SM 022; DO 2xDC 24V, 0,5A ETS
022-1BB90	SM 022, DO 2xDC 24V 0,5A PWM
022-1BD00	SM 022, DO 4xDC 24V 0,5A
022-1BD20	SM 022, DO 4xDC 24 V 2 A
022-1BD50	SM 022, DO 4xDC 24V 0,5A NPN
022-1BD70	SM 022, DO 4xDC 24V, 0,5A ETS
022-1BF00	SM 022, DO 8xDC 24 V 0,5A
022-1BF01	SM 022, DO 8xDC 24 V 0,5A
022-1BF50	SM 022, DO 8xDC 24V 0,5A NPN
022-1BH00	SM 022, DO 16xDC 24 V 0,5A
022-1BH50	SM 022, DO 16xDC 24 V 0,5A NPN
022-1DF00	SM 022, DO 8xDC 24 V 0,5A Diagnose

**Analogue Input Modules**

031-1BB10	SM 031, AI 2x12Bit 2Wire ISO
031-1BB30	SM 031, AI 2x12Bit 0...10V

031-1BB40	SM 031, AI 2x12Bit 0/4...20mA
031-1BB60	SM 031, AI 2x12Bit 2Wire
031-1BB70	SM 031, AI 2x12Bit $\pm 10V$
031-1BB90	SM 031, AI 2x16Bit TC
031-1BD30	SM 031, AI 4x12Bit 0...10V
031-1BD40	SM 031, AI 4x12Bit 0/4...20mA
031-1BD70	SM 031, AI 4x12Bit $\pm 10V$
031-1BD80	SM 031, AI 4x16Bit R, RTD
031-1BF60	SM 031, AI 8x12Bit 0/4...20mA
031-1BF74	SM 031, AI 8x12Bit $\pm 10V$
031-1CA20	SM 031, AI 1x16Bit Strain Gauge
031-1CB30	SM 031, AI 2x16Bit 0...10V
031-1CB40	SM 031, AI 2x16Bit 0/4...20mA
031-1CB70	SM 031, AI 2x16Bit $\pm 10V$
031-1CD30	SM 031, AI 4x16Bit 0...10V
031-1CD35	SM 031, AI 4x16Bit 0...10V
031-1CD40	SM 031, AI 4x16Bit 0/4...20mA
031-1CD45	SM 031, AI 4x16Bit 0/4...20mA
031-1CD70	SM 031, AI 4x16Bit $\pm 10V$
031-1LB90	SM 031, AI 2x16Bit TC
031-1LD80	SM 031, AI 4x16Bit R, RTD

### **Analogue Output Modules**

032-1BB30	SM 032, AO 2x12Bit 0...10V
032-1BB40	SM 032, AO 2x12Bit 0/4...20mA
032-1BB70	SM 032, AO 2x12Bit $\pm 10V$
032-1BD30	SM 032, AO 4x12Bit 0...10V
032-1BD40	SM 032, AO 4x12Bit 0/4...20mA
032-1BD70	SM 032, AO 4x12Bit $\pm 10V$
032-1CB30	SM 032, AO 2x16Bit 0...10V
032-1CB40	SM 032, AO 2x16Bit 0/4...20mA
032-1CB70	SM 032, AO 2x16Bit $\pm 10V$
032-1CD30	SM 032, AO 4x16Bit 0...10V
032-1CD40	SM 032, AO 4x16Bit 0/4...20mA
032-1CD70	SM 032, AO 4x16Bit $\pm 10V$

### **Communication Modules**

040-1BA00	CP 040, CP RS232
040-1CA00	CP 040, CP RS422/485



**Fieldbus Master Modules**

042-11000 CP 042, IO-Link Master

**Counter Modules**

050-1BA00 FM 050, COUNTER 1x32Bit DC 24V  
050-1BA10 FM 050, COUNTER 1x32Bit DC 5V  
050-1BB00 FM 050, COUNTER 2x32Bit DC 24V  
050-1BB30 FM 050, COUNTER 2x32Bit DC 24V ECO  
050-1BB40 FM 050, FREQUENCY MEAS. 2x24Bit DC 24V 600kHz

**SSI-Modules**

050-1BS00 FM 050, SSI RS422 24/32Bit 100/300/600kBit/s

**Interface Modules**

053-1CA00 IM 053CAN, CANopen-Slave  
053-1DN00 IM 053DN, DeviceNet-Slave  
053-1DP00 IM 053DP, PROFIBUS-DP-Slave  
053-1EC0z IM 053EC, EtherCAT-Slave (with z=0,1)  
053-1IP0z IM 053IP, EtherNet/IP-Slave (with z=0,1)  
053-1ML00 IM 053ML, MECHATROLINK-Slave  
053-1ML40 IM 053ML-4, MECHATROLINK-4-Slave  
053-1MT0z IM 053MT, Modbus/TCP-Slave (with z=0,1)  
053-1PN0z IM 053PN, PROFINET-IO-Device (with z=0,1)

**Positioning-Modules**

054-1BA00 FM 054, 1xStepper DC 24V 1,5A  
054-1CB00 FM 054, 2xDC Mot DC 24V 1,5A  
054-1DA00 FM 054, 1xPulseTrain RS422 0-1000kHz, DC 24V  
054-2BA10 FM 054, 1xStepper DC 48V 5A

**Line Extension Modules**

060-1AA0z IM 060, Line Extension (with z=0,1)  
061-1BA0z IM 061, Line Extension (with z=0,1)

**Accessories**

955-x000xxx VIPA SD-Card / VIPASetCard  
950-0KD30 SLIO Line Extension cable

**Accessories not marked, but tested together with components of the System SLIO product family:**

000-0AA00	SLIO bus cover
000-0AB00	SLIO shield bus carrier
000-0AC00	SLIO module coding pins
000-0DN00	DeviceNet connector