

Declaration of Conformity

We here with declare, 56,Samsung 4-gil,Mokcheon-eup,
Cheonan-si,Chungcheongnam-do, R.O.K
Cheonan plant
LS ELECTRIC Co., Ltd.

Declaration under our own responsibility that the product(s):

Product : PLC(Programmable Logic Controller)
Models : XGT series (XGK, XGI, XGR)

This declaration is issued under the sole responsibility of the manufacturer.

We hereby declare, that the product above is in compliance with the essential requirements of the UK Statutory Instruments and their amendments: (if applicable):

Electrical Equipment (Safety) Regulations 2016
Electromagnetic Compatibility Regulations 2016
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

Authorized Signature: 

Date: 23th. Aug. 2021

Kyoung-rok Park
Plant Manager
Cheonan Plant
LS ELECTRIC Co.,Ltd.

LS ELECTRIC Co.,Ltd.

1. Applied standards : listed in Table 1

Table 1

Standard	Requirement
1. Emission	
BS EN61000-6-4:2007/A1:2011	Radiated E-field emissions
BS EN61000-6-4:2007/A1:2011	Conducted emissions
BS EN61000-3-2:2014	Harmonic Current Emission
BS EN61000-3-3:2013	Voltage Change, Fluctuations and Flicker
2. Immunity	
BS EN61000-4-2:2009	Electrostatic discharge
BS EN61000-4-3:2006/A1:2008/A2:2010	Radiated RF immunity
BS EN61000-4-4:2012	Electrical fast transient/burst
BS EN61000-4-5:2014	Surge immunity
BS EN61000-4-6:2014	Conducted RF immunity
BS EN61000-4-8	Power frequency H-field immunity
BS EN61000-4-11:2004	Voltage dips and interruptions
3. Low Voltage Directive	
EN 61131-2:2007	Programmable controllers – Part 2 : Equipment requirements and tests

2. CPU modules : listed in Table 2

Table 2

No.	MODEL	Description	Highest Associated	Remark
	XGT		Voltage	
1	XGK-CPUA	* CPU (3,072 points)	5VDC(SELV)	XGI-CPUS
2	XGK-CPUE	* CPU (1,536 points)	5VDC(SELV)	XGI-CPUE
3	XGK-CPUH	* CPU (6,144 points)	5VDC(SELV)	
4	XGK-CPUS	* CPU (3,072 points)	5VDC(SELV)	
5	XGK-CPUU	* CPU (6,144 points)	5VDC(SELV)	XGI-CPUH, XGI-CPUU
6	XGI-CPUU/D	* CPU (6,144 points)	5VDC(SELV)	
7	XGI-CPUUN	* CPU (6,144 points)	5VDC(SELV)	XGK-CPUUN
8	XGR-CPUH/F	* CPU (6,144 points)	5VDC(SELV)	
9	XGR-CPUH/FS	* CPU (6,144 points)	5VDC(SELV)	
10	XGR-CPUH/T	* CPU (6,144 points)	5VDC(SELV)	
11	XGR-INCT	* CPU (6,144 points)	5VDC(SELV)	
12	XGR-DBSH	* Redundant Extension Driver(Twisted/Fiber each 1 port)	5VDC(SELV)	
13	XGR-DBSF	* Redundant Extension Driver(Fiber 2 port)	5VDC(SELV)	
14	XGR-DBST	* Redundant Extension Driver(Twisted 2 port)	5VDC(SELV)	
15	XGR-DBSHS	* Redundant Extension Driver(Twisted/Fiber each 1 port)	5VDC(SELV)	
16	XGR-DBSFS	* Redundant Extension Driver(Fiber 2 port)	5VDC(SELV)	
17	XGR-DBDH	* Redundant Extension Driver(Twisted/Fiber each 1 port)	5VDC(SELV)	
18	XGR-DBDF	* Redundant Extension Driver(Fiber 2 port)	5VDC(SELV)	
19	XGR-DBDT	* Redundant Extension Driver(Twisted 2 port)	5VDC(SELV)	
20	XGR-DBDFS	* Redundant Extension Driver(Fiber 2 port)	5VDC(SELV)	
21	XGR-DBDHS	* Redundant Extension Driver(Fiber 2 port)	5VDC(SELV)	
22	XGS-CPU01A	* CPU (168 points)	5VDC(SELV)	
23	XGK-CPUHN	* CPU (6,144 points)	5VDC(SELV)	
24	XGK-CPUSN	* CPU (3,072 points)	5VDC(SELV)	

3. Power supply modules : listed in Table 3

Table 3

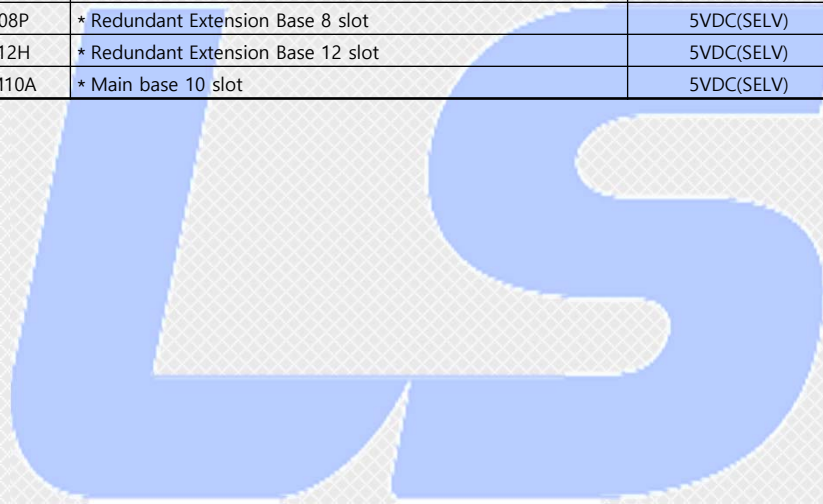
No.	MODEL	Description	Highest Associated	Remark
	XGT		Voltage	
1	XGP-AC23	* Power supply Module(AC200-240V Input)	220VAC	
2	XGP-ACF1	* Power supply Module(AC100-240V Input)	220VAC	
3	XGP-ACF2	* Power supply Module(AC100-240V Input)	220VAC	
4	XGP-DC42	* Power supply Module(DC24V Input)	24VDC(SELV)	
5	XGR-AC23	* Power supply Module(AC200-240V Input, 8.5A)	220VAC	
6	XGR-AC13	* Power supply Module(AC90-130V Input, 8.5A)	110VAC	
7	XGR-AC12	* Power supply Module(AC90-130V Input, 5.5A)	110VAC	
8	XGR-AC22	* Power supply Module(AC200-240V Input, 5.5A)	220VAC	
9	XGR-DC42	* Power supply Module(DC24V Input)	24VDC(SELV)	



4. Base modules : listed in Table 4

Table 4

No.	MODEL	Description	Highest Associated	Remark
	XGT		Voltage	
1	XGB-M04A	* Main base 4 slot	5VDC(SELV)	
2	XGB-M06A	* Main base 6 slot	5VDC(SELV)	
3	XGB-M08A	* Main base 8 slot	5VDC(SELV)	
4	XGB-M12A	* Main base 12 slot	5VDC(SELV)	
5	XGB-E04A	* Extension base 4 slot	5VDC(SELV)	
6	XGB-E06A	* Extension base 6 slot	5VDC(SELV)	
7	XGB-E08A	* Extension base 8 slot	5VDC(SELV)	
8	XGB-E12A	* Extension base 12 slot	5VDC(SELV)	
9	XGR-M02P	* Redundant Main Base 2 slot	5VDC(SELV)	
10	XGR-M06P	* Redundant Main Base 6 slot	5VDC(SELV)	
11	XGR-E12P	* Redundant Extension Base 12 slot	5VDC(SELV)	
12	XGR-E08P	* Redundant Extension Base 8 slot	5VDC(SELV)	
13	XGR-E12H	* Redundant Extension Base 12 slot	5VDC(SELV)	
14	XGB-M10A	* Main base 10 slot	5VDC(SELV)	



5. Digital I/O modules : listed in Table 5

Table 5

No.	MODEL	Description	Highest Associated	Remark
	XGT		Voltage	
1	XGI-A12A	* 110VAC Input Module 16 points	110VAC	
2	XGI-A21A	* 220VAC Input Module 8 points	220VAC	
3	XGI-A21C	* 220VAC Input Module 8 points(Isolated Input)	220VAC	
4	XGI-D21A	* 24VDC Input Module 8 points	24VDC(SELV)	
5	XGI-D22A	* 24VDC Input Module 16 points (Sink/Source)	24VDC(SELV)	
6	XGI-D22B	* 24VDC Input Module 16 points (Source)	24VDC(SELV)	
7	XGI-D24A	* 24VDC Input Module 32 points (Sink/Source)	24VDC(SELV)	
8	XGI-D24B	* 24VDC Input Module 32 points (Source)	24VDC(SELV)	
9	XGI-D28A	* 24VDC Input Module 64 points (Sink/Source)	24VDC(SELV)	
10	XGI-D28B	* 24VDC Input Module 64 points (Source)	24VDC(SELV)	
11	XGI-D21D	* 24VDC Diagnostic Input Module 8 points	24VDC(SELV)	
12	XGQ-RY1D	* Relay Diagnostic output Module 8 points	220VAC	
13	XGQ-RY1A	* Relay output Module 8 points	220VAC	
14	XGQ-RY2A	* Relay output Module 16 points	220VAC	
15	XGQ-RY2B	* Relay output Module 16 points	220VAC	
16	XGQ-SS2A	* Triac output Module 16 points	220VAC	
17	XGQ-TR1C	* Transistor output Module 8 points(Sink)	24VDC(SELV)	
18	XGQ-TR2A	* Transistor output Module 16 points(Sink)	24VDC(SELV)	
19	XGQ-TR2B	* Transistor output Module 16 points(Source)	24VDC(SELV)	
20	XGQ-TR4A	* Transistor output Module 32 points(Sink)	24VDC(SELV)	
21	XGQ-TR4B	* Transistor output Module 32 points(Source)	24VDC(SELV)	
22	XGQ-TR8A	* Transistor output Module 64 points(Sink)	24VDC(SELV)	
23	XGQ-TR8B	* Transistor output Module 64 points(Source)	24VDC(SELV)	
24	XGH-DT4A	* 24VDC Input 16 points (Sink/Source) * Transistor output 16 points(Sink)	24VDC(SELV)	
25	XGS-DI08A	* 24VDC Safety Input 8 points (Sink/Source) * Test pulse output 2 points	24VDC(SELV)	
26	XGS-DIO84A	* 24VDC Safety Input 8 points * Test pulse output 2 points * 24VDC Safety Ouput 8 points	24VDC(SELV)	

6. Special modules : listed in Table 6

Table 6

No.	MODEL	Description	Highest Associated	Remark
	XGT		Voltage	
1	XGF-HD2A	* High speed counter Module (Line Drive)	24VDC(SELV)	
2	XGF-HO2A	* High speed counter Module (Open Collector)	24VDC(SELV)	
3	XGF-HO8A	* High Speed Counter Module(Open Collector)	24VDC(SELV)	
4	XGF-PD1A	* Position Controller Module(Line Drive)	24VDC(SELV)	
5	XGF-PD2A	* Position Controller Module(Line Drive)	24VDC(SELV)	
6	XGF-PD3A	* Position Controller Module(Line Drive)	24VDC(SELV)	
7	XGF-PO1A	* Position Controller Module(Open Collector)	24VDC(SELV)	
8	XGF-PO2A	* Position Controller Module(Open Collector)	24VDC(SELV)	
9	XGF-PO3A	* Position Controller Module(Open Collector)	24VDC(SELV)	
10	XGF-PD1H	* Extreme Position Controller Module(Line Drive)	24VDC(SELV)	
11	XGF-PD2H	* Extreme Position Controller Module(Line Drive)	24VDC(SELV)	
12	XGF-PD3H	* Extreme Position Controller Module(Line Drive)	24VDC(SELV)	
13	XGF-PD4H	* Extreme Position Controller Module(Line Drive)	24VDC(SELV)	
14	XGF-PO1H	* Extreme Position Controller Module(Open Collector)	24VDC(SELV)	
15	XGF-PO2H	* Extreme Position Controller Module(Open Collector)	24VDC(SELV)	
16	XGF-PO3H	* Extreme Position Controller Module(Open Collector)	24VDC(SELV)	
17	XGF-PO4H	* Extreme Position Controller Module(Open Collector)	24VDC(SELV)	
18	XGF-PN8A	* Network Type Extream Position Controller Module	5VDC(SELV)	
19	XGF-PN8B	* Network Type Extream Position Controller Module(Standard)	5VDC(SELV)	
20	XGF-M16M	* Motion Controller Module	24VDC(SELV)	
21	XGF-M32E	* Motion Controller Module (EtherCAT)	24VDC(SELV)	
22	XGF-SOEA	* Event Input Module	5VDC(SELV)	
23	XGF-DL16A	* Datalog Module	5VDC(SELV)	
24	XGF-AC8A	* A/D Conversion Module(Current type)	15VDC(SELV)	
25	XGF-AD4S	* A/D Conversion Module(Isolated Voltage/Current type)	15VDC(SELV)	
26	XGF-AD8A	* A/D Conversion Module(Voltage/Current type)	15VDC(SELV)	
27	XGF-AD16A	* A/D Conversion Module(Voltage/Current type)	15VDC(SELV)	
28	XGF-AV8A	* A/D Conversion Module(Voltage type)	15VDC(SELV)	
29	XGF-DC4A	* D/A Conversion(Current type)	24VDC(SELV)	
30	XGF-DC4S	* D/A Conversion(Isolated Current type)	24VDC(SELV)	
31	XGF-DC8A	* D/A Conversion(Current type)	24VDC(SELV)	
32	XGF-DV4A	* D/A Conversion(Voltage type)	24VDC(SELV)	
33	XGF-DV4S	* D/A Conversion(Isolated Voltage type)	24VDC(SELV)	
34	XGF-DV8A	* D/A Conversion(Voltage type)	24VDC(SELV)	
35	XGF-RD4A	* Resistance Temperature Detector Module	15VDC(SELV)	
36	XGF-TC4S	* Thermocouple Module(Isolated Input)	15VDC(SELV)	
37	XGF-RD4S	* Resistance Temperature Detector Module(Isolated Input)	15VDC(SELV)	
38	XGF-TC4UD	* Temperature Controller Module	24VDC(SELV)	
39	XGF-TC4RT	* Temperature Controller Module	24VDC(SELV)	
40	XGF-AH6A	* Analog Input Output Hybrid Module	24VDC(SELV)	
41	XGF-AW4S	* 2 Wire Analog Input Module	24VDC(SELV)	
42	XGF-AC4H	* A/D Conversion Module(HART, Current type)	15VDC(SELV)	
43	XGF-DC4H	* D/A Conversion(HART, Current type)	24VDC(SELV)	
44	XGF-RD8A	* Resistance Temperature Detector Module(8 channels)	5VDC(SELV)	

6. Special modules : listed in Table 6**Table 6**

No.	MODEL	Description	Highest Associated	Remark
	XGT		Voltage	
45	XGF-PN8A	* Network Type Extream Position Controller Module	5VDC(SELV)	
46	XGF-DC8A,EXP	* D/A Conversion(Current type)	24VDC(SELV)	
47	XGF-PD3H,EXP	* Extreme Position Controller Module(Line Drive)	24VDC(SELV)	
48	XGF-PD4H,EXP	* Extreme Position Controller Module(Line Drive)	24VDC(SELV)	

The logo for LS Electric Co., Ltd. features the letters 'LS' in a large, bold, blue font. To the right of the 'S', there is a stylized pink arrow pointing upwards and to the right.**LS ELECTRIC Co.,Ltd.**

7. Communication modules : listed in Table 7

Table 7

No.	MODEL	Description	Highest Associated	Remark
	XGT		Voltage	
1	XGL-C22A	* RS-232C Interface Module	5VDC(SELV)	
2	XGL-C42A	* RS-422 Interface Module	5VDC(SELV)	
3	XGL-CH2A	* RS-232C/RS-422 Interface Module	5VDC(SELV)	
4	XGL-DMEA	* DeviceNet Module	24VDC(SELV)	
5	XGL-EDMF	* 100BaseFx Fast Ethernet Module	5VDC(SELV)	
6	XGL-EDMT	* 100BaseTx Fast Ethernet Module	5VDC(SELV)	
7	XGL-EFMF	* 100BaseFx Fast Ethernet Module	5VDC(SELV)	
8	XGL-EFMT	* 100BaseTx Fast Ethernet Module	5VDC(SELV)	
9	XGL-ESHF	* 100BaseFx Fast Ethernet Switching Module	5VDC(SELV)	
10	XGL-ES4T	* Multiport RAPIEnet Switching Module	5VDC(SELV)	
11	XGL-PMEA	* Profibus-DP Master Module	5VDC(SELV)	
12	XGL-PMEC	* Profibus-DP Master Module	5VDC(SELV)	
13	XGL-PSRA	* Pnet Remote I/F Module	5VDC(SELV)	
14	XGL-PSEA	* Profibus-DP Slave Module	5VDC(SELV)	
15	XGL-RMEA	* Rnet Module	5VDC(SELV)	
16	XGL-FMEA	* Fnet Module	5VDC(SELV)	
17	XGL-EH5T	* Switching Hub(Unmanaged Switch)	5VDC(SELV)	
18	XGL-EIMT	* 100BaseTx 2port RAPIEnet Module	5VDC(SELV)	
19	XGL-EIMF	* 100BaseFx 2port RAPIEnet Module	5VDC(SELV)	
20	XGL-EIMH	* 100BaseTx/Fx 2port RAPIEnet Module	5VDC(SELV)	
21	XGL-EIPT	* EtherNet/IP Module	5VDC(SELV)	
22	XGL-BIPT	* BACNet I/F Module	5VDC(SELV)	
23	XGL-C22B	* RS-232C Interface Module	5VDC(SELV)	
24	XGL-C42B	* RS-422 Interface Module	5VDC(SELV)	
25	XGL-CH2B	* RS-232C/RS-422 Interface Module	5VDC(SELV)	
26	XGL-EFMFB	* 100BaseFx Fast Ethernet Module	5VDC(SELV)	
27	XGL-EFMFB	* 100BaseTx Fast Ethernet Module	5VDC(SELV)	
28	XGL-EFMT,EXP	* 100BaseTx Fast Ethernet Module	5VDC(SELV)	
29	XGL-DMEB	* DeviceNet Module	24VDC(SELV)	
30	XOL-ES4T	* Multiport RAPIEnet Switching Module	24VDC(SELV)	
31	XGL-PMEB	* Profibus-DP Master Module	5VDC(SELV)	
32	XGL-EFMHB	* 100BaseTx, 100BaseFx Fast Ethernet Module	5VDC(SELV)	
33	XGL-DBDT	* RAPIEnet Remote I/F Module	5VDC(SELV)	
34	XGL-DBDF	* RAPIEnet Remote I/F Module	5VDC(SELV)	
35	XGL-DBDH	* RAPIEnet Remote I/F Module	5VDC(SELV)	
36	XOL-ES4H	* Multiport RAPIEnet Switching Module	24VDC(SELV)	
37	XGL-RMEB	* Rnet Module	5VDC(SELV)	

8. Other modules : listed in Table 8**Table 8**

No.	MODEL	Description	Highest Associated	Remark
	XGT		Voltage	
1	XGC-E041	* Extension Cables 0.4m	5VDC(SELV)	
2	XGC-E061	* Extension Cables 0.6m	5VDC(SELV)	
3	XGC-E102	* Extension Cables 10m	5VDC(SELV)	
4	XGC-E121	* Extension Cables 1.2m	5VDC(SELV)	
5	XGC-E301	* Extension Cables 3m	5VDC(SELV)	
6	XGC-E501	* Extension Cables 5m	5VDC(SELV)	
7	XGC-E152	* Extension Cables 15m	5VDC(SELV)	
8	XGT-DMMA	* Dummy Module	5VDC(SELV)	
9	XGT-TERA	* Terminator	5VDC(SELV)	

**LS ELECTRIC Co.,Ltd.**