

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.

that the following equipment complies with the appropriate basic safety
and health requirements of the EC Directive based on its design and type,
as brought into circulation by us.

In case of alteration of the equipment, not agreed upon by us, this
declaration will lost its validity.

Products Description : Programmable Logic Controller

Products Type : XGB Series

Applicable EC Directive : **Electromagnetic Compatibility Directive**
2014/30/EU
Low Voltage Directive 2014/35/EU

Authorized Signature:

Date : Nov. 10. 2020

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Plant Manager
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LS ELECTRIC Co.,Ltd.

1. Applied standards : listed in Table 1

Table 1

| Standard | Requirement |
|-----------------------------------|--|
| 1. Emission | |
| EN61000-6-4:2007/A1:2011 | Radiated E-field emissions |
| IEC61000-6-4:2006+A1:2010 | |
| EN61000-6-4:2007/A1:2011 | Conducted emissions |
| IEC61000-6-4:2006+A1:2010 | |
| EN61000-3-2:2014 | Harmonic Current Emission |
| IEC61000-3-2:2014 | |
| EN61000-3-3:2013 | Voltage Change, Fluctuations and Flicker |
| IEC61000-3-3:2013 | |
| 2. Immunity | |
| EN61000-4-2:2009 | Electrostatic discharge |
| IEC61000-4-2:2008 | |
| EN61000-4-3:2006/A1:2008/A2:2010 | Radiated RF immunity |
| IEC61000-4-3:2006+A1:2007+A2:2010 | |
| EN61000-4-4:2012 | Electrical fast transient/burst |
| IEC61000-4-4:2012 | |
| EN61000-4-5:2014 | Surge immunity |
| IEC61000-4-5:2014 | |
| EN61000-4-6:2014 | Conducted RF immunity |
| IEC61000-4-6:2013 | |
| EN61000-4-11:2004 | Voltage dips and interruptions |
| IEC61000-4-11:2004 | |
| 3. Low Voltage Directive | |
| EN 61131-2:2007 | Programmable controllers – Part 2 : Equipment requirements and tests |
| IEC61131-2:2007 | |

1. XBM modules : listed in Table 2

Table 2

| No. | MODEL | Description | Highest Associated | Remark |
|-----|-----------------|--|--------------------|--------|
| | XGB | | Voltage | |
| 1 | XBM-DN16S | DC24V Input 8 point, Transistor Output 8 point | DC24V power supply | |
| 2 | XBM-DN32S | DC24V Input 16 point, Transistor Output 16 point | DC24V power supply | |
| 3 | XBM-DR16S | DC24V Input 8 point, Relay Output 8 point | DC24V power supply | |
| 4 | XBM-DN32H | DC24V Input 16 point, Transistor Output 16 point | DC24V power supply | |
| 5 | XBM-DN32HP | DC24V Input 16 point, Transistor Output 16 point | DC24V power supply | |
| 6 | XBM-DR16C3 | DC24V Input 8 point, Relay Output 8 point | DC24V power supply | |
| 7 | XBM-DN32H2 | DC24V Input 16 point, Transistor Output 16 point | DC24V power supply | |
| 8 | XEM-DN32H2 | DC24V Input 16 point, Transistor Output 16 point | DC24V power supply | |
| 9 | XEM-DN32HP | DC24V Input 16 point, Transistor Output 16 point | DC24V power supply | |
| 10 | XBM-DP32H2 | DC24V Input 16 point, Transistor Output 16 point | DC24V power supply | |
| 11 | XBM-DP32HP | DC24V Input 16 point, Transistor Output 16 point | DC24V power supply | |
| 12 | XEM-DP32H2 | DC24V Input 16 point, Transistor Output 16 point | DC24V power supply | |
| 13 | XEM-DP32HP | DC24V Input 16 point, Transistor Output 16 point | DC24V power supply | |
| 14 | XBM-DP32H2,SEMI | DC24V Input 16 point, Transistor Output 16 point | DC24V power supply | |

2. XBC(XEC) H modules : listed in Table 3

Table 3

| No. | MODEL | Description | Highest Associated | Remark |
|-----|--------------|---|--------------------------|--------|
| | XGB | | Voltage | |
| 1 | XBC-DN32H | DC24V Input 16 point, TR Output 16 point (sink type) | AC100-220V power supply | |
| 2 | XBC-DN32H/DC | DC24V Input 16 point, TR Output 16point(sink type) | DC 24V power supply | |
| 3 | XBC-DR32H | DC24V Input 16 point, Relay Output 16 point | AC100-220V power supply | |
| 4 | XBC-DR32H/DC | DC24V Input 16 point, Relay Output 16 point | DC 24V power supply | |
| 5 | XBC-DN64H | DC24V Input 32 point, TR Output 32 point (sink type) | AC100-220V power supply | |
| 6 | XBC-DN64H/DC | DC24V Input 32 point, TR Output 32 point (sink type) | DC 24V power supply | |
| 7 | XBC-DR64H | DC24V Input 32 point, Relay Output 32 point | AC100-220V power supply | |
| 8 | XBC-DR64H/DC | DC24V Input 32 point, Relay Output 32 point | DC 24V power supply | |
| 9 | XEC-DN32H | DC24V Input 16 point, TR Output 16 point (sink type) | AC100-220V power supply | |
| 10 | XEC-DP32H | DC24V Input 16 point, TR Output 16 point (source type) | AC100-220V power supply | |
| 11 | XEC-DR32H | DC24V Input 16 points, Relay Output 16 points | AC100V-220V power supply | |
| 12 | XEC-DR32H/D1 | DC12V Input 16 points, Relay Output 16 points | DC12/24V power supply | |
| 13 | XEC-DN64H | DC24V Input 32 points, TR Output 32 points (sink type) | AC100V-220V power supply | |
| 14 | XEC-DP64H | DC24V Input 32 points, TR Output 32 points(source type) | AC100V-220V power supply | |
| 15 | XEC-DR64H | DC24V Input 32 points, Relay Output 32 points | AC100V-220V power supply | |
| 16 | XEC-DR64H/D1 | DC12V Input 32 points, Relay Output 32 points | DC12/24V power supply | |

3. XBC(XEC) S,SU modules : listed in Table 4

Table 4

| No. | MODEL | Description | Highest Associated | Remark |
|-----|------------|--|-------------------------|--------|
| | XGB | | Voltage | |
| 1 | XBC-DN20S | DC24V Input 12 point, TR 8 point (sink type) | AC100-220V power supply | |
| 2 | XBC-DN30S | DC 24V Input 18 point, TR Output 12 point (sink type) | AC100-220V power supply | |
| 3 | XBC-DN20SU | DC24V Input 12 point, TR Output 8 point (sink type) | AC100-220V power supply | |
| 4 | XBC-DP20SU | DC24V Input 12 point, TR Output 8 point(source type) | AC100-220V power supply | |
| 5 | XBC-DR20SU | DC 24V Input 12 point, Relay Output 8 point | AC100-220V power supply | |
| 6 | XBC-DN30SU | DC 24V Input 18 point, TR Output 12 point (sink type) | AC100-220V power supply | |
| 7 | XBC-DP30SU | DC 24V Input 18 point, TR Output 12 point(source type) | AC100-220V power supply | |
| 8 | XBC-DR30SU | DC 24V Input 18 point, Relay Output 12 point | AC100-220V power supply | |
| 9 | XBC-DN40SU | DC 24V Input 24 point, TR Output 16 point(sink type) | AC100-220V power supply | |
| 10 | XBC-DP40SU | DC 24V Input 24 point, TR Output 16 point(source type) | AC100-220V power supply | |
| 11 | XBC-DR40SU | DC 24V Input 24 point, Relay Output 16 point | AC100-220V power supply | |
| 12 | XBC-DN60SU | DC 24V Input 36 point, TR Output 24 point(sink type) | AC100-220V power supply | |
| 13 | XBC-DP60SU | DC 24V Input 36 point, TR Output 24 point(source type) | AC100-220V power supply | |
| 14 | XBC-DR60SU | DC 24V Input 36 point, Relay Output 24 point | AC100-220V power supply | |
| 15 | XEC-DN20SU | DC24V Input 12 point, TR Output 8 point(sink type) | AC100-220V power supply | |
| 16 | XEC-DP20SU | DC24V Input 12 point, TR Output 8 point(source type) | AC100-220V power supply | |
| 17 | XEC-DR20SU | DC 24V Input 12 point, Relay Output 8 point | AC100-220V power supply | |
| 18 | XEC-DN30SU | DC 24V Input 18 point, TR Output 12 point(sink type) | AC100-220V power supply | |
| 19 | XEC-DP30SU | DC 24V Input 18 point, TR Output 12 point(source type) | AC100-220V power supply | |
| 20 | XEC-DR30SU | DC 24V Input 18 point, Relay Output 12 point | AC100-220V power supply | |
| 21 | XEC-DN40SU | DC 24V Input 24 point, TR Output 16 point(sink type) | AC100-220V power supply | |
| 22 | XEC-DP40SU | DC 24V Input 24 point, TR Output 16 point(source type) | AC100-220V power supply | |
| 23 | XEC-DR40SU | DC 24V Input 24 point, Relay Output 16 point | AC100-220V power supply | |
| 24 | XEC-DN60SU | DC 24V Input 36 point, TR Output 24 point(sink type) | AC100-220V power supply | |
| 25 | XEC-DP60SU | DC 24V Input 36 point, TR Output 24 point(source type) | AC100-220V power supply | |
| 26 | XEC-DR60SU | DC 24V Input 36 point, Relay Output 24 point | AC100-220V power supply | |

4. XBC(XEC) E modules : listed in Table 5

Table 5

| No. | MODEL | Description | Highest Associated | Remark |
|-----|-----------|--|-------------------------|--------|
| | XGB | | Voltage | |
| 1 | XBC-DN10E | DC 24V Input 6 point, TR Output 4 point(sink type) | AC100-220V power supply | |
| 2 | XBC-DP10E | DC 24V Input 6 point, TR Output 4 point(source type) | AC100-220V power supply | |
| 3 | XBC-DR10E | DC 24V Input 6 point, Relay Output 4 point | AC100-220V power supply | |
| 4 | XBC-DN14E | DC 24V Input 8 point, TR Output 6 point(sink type) | AC100-220V power supply | |
| 5 | XBC-DP14E | DC 24V Input 8 point, TR Output 6 point(source type) | AC100-220V power supply | |
| 6 | XBC-DR14E | DC 24V Input 8 point, Relay Output 6 point | AC100-220V power supply | |
| 7 | XBC-DN20E | DC 24V Input 12 point, TR Output 8 point(sink type) | AC100-220V power supply | |
| 8 | XBC-DP20E | DC 24V Input 12 point, TR Output 8 point(source type) | AC100-220V power supply | |
| 9 | XBC-DR20E | DC 24V Input 12 point, Relay Output 8 point | AC100-220V power supply | |
| 10 | XBC-DN30E | DC 24V Input 18 point, TR Output 12 point(sink type) | AC100-220V power supply | |
| 11 | XBC-DP30E | DC 24V Input 18 point, TR Output 12 point(source type) | AC100-220V power supply | |
| 12 | XBC-DR30E | DC 24V Input 18 point, Relay Output 12 point | AC100-220V power supply | |
| 13 | XEC-DN10E | DC 24V Input 6 point, TR Output 4 point(sink type) | AC100-220V power supply | |
| 14 | XEC-DP10E | DC 24V Input 6 point, TR Output 4 point(source type) | AC100-220V power supply | |
| 15 | XEC-DR10E | DC 24V Input 6 point, Relay Output 4 point | AC100-220V power supply | |
| 16 | XEC-DN14E | DC 24V Input 8 point, TR Output 6 point(sink type) | AC100-220V power supply | |
| 17 | XEC-DP14E | DC 24V Input 8 point, TR Output 6 point(source type) | AC100-220V power supply | |
| 18 | XEC-DR14E | DC 24V Input 8 point, Relay Output 6 point | AC100-220V power supply | |
| 19 | XEC-DN20E | DC 24V Input 12 point, TR Output 8 point(sink type) | AC100-220V power supply | |
| 20 | XEC-DP20E | DC 24V Input 12 point, TR Output 8 point(source type) | AC100-220V power supply | |
| 21 | XEC-DR20E | DC 24V Input 12 point, Relay Output 8 point | AC100-220V power supply | |
| 22 | XEC-DN30E | DC 24V Input 18 point, TR Output 12 point(sink type) | AC100-220V power supply | |
| 23 | XEC-DP30E | DC 24V Input 18 point, TR Output 12 point(source type) | AC100-220V power supply | |
| 24 | XEC-DR30E | DC 24V Input 18 point, Relay Output 12 point | AC100-220V power supply | |



5. XBC(XEC) EB, EX, XS modules : listed in Table 6

Table 6

| No. | MODEL | Description | Highest Associated | Remark |
|-----|-------------|---|-------------------------|--------|
| | XGB | | Voltage | |
| 1 | XBC-DR40EB | DC 24V Input 24 point, Relay Output 16 point | AC100-220V power supply | |
| 2 | XBC-DR40EX | DC 24V Input 24 point, Relay Output 16 point | AC100-220V power supply | |
| 3 | XBC-DR60EB | DC 24V Input 36 point, Relay Output 24 point | AC100-220V power supply | |
| 4 | XBC-DR60EX | DC 24V Input 36 point, Relay Output 24 point | AC100-220V power supply | |
| 5 | XBC-DT60XS | DC 24V Input 36 Contacts, TR Output 24 Contacts | AC100-220V power supply | |
| 6 | XBC-DR60XS | DC 24V Input 36 Contacts, Relay Output 24 Contacts | AC100-220V power supply | |
| 7 | XBC-DRT60XS | DC 24V Input 36 Contacts, TR Output 4/Relay 20 Contacts | AC100-220V power supply | |



6. XBC(XEC) U modules : listed in Table 7

Table 7

| No. | MODEL | Description | Highest Associated | Remark |
|-----|-------------------------|--|-------------------------|--------|
| | XGB | | Voltage | |
| 1 | XBC-DN32U | DC 24V Input 16 point, TR Output 16 point | AC100-220V power supply | |
| 2 | XBC-DN32UA | DC 24V Input 16 point, TR Output 16 point | AC100-220V power supply | |
| 3 | XBC-DN32UP | DC 24V Input 16 point, TR Output 16 point | AC100-220V power supply | |
| 4 | XEC-DN32U | DC 24V Input 16 point, TR Output 16 point | AC100-220V power supply | |
| 5 | XEC-DN32UA | DC 24V Input 16 point, TR Output 16 point | AC100-220V power supply | |
| 6 | XEC-DN32UP | DC 24V Input 16 point, TR Output 16 point | AC100-220V power supply | |
| 7 | XBC-DR28U | DC 24V Input 16 point, Relay Output 12 point | AC100-220V power supply | |
| 8 | XBC-DR28UA | DC 24V Input 16 point, Relay Output 12 point | AC100-220V power supply | |
| 9 | XBC-DR28UP | DC 24V Input 16 point, Relay Output 12 point | AC100-220V power supply | |
| 10 | XEC-DR28U | DC 24V Input 16 point, Relay Output 12 point | AC100-220V power supply | |
| 11 | XEC-DR28UA | DC 24V Input 16 point, Relay Output 12 point | AC100-220V power supply | |
| 12 | XEC-DR28UA , KL-5000 | DC 24V Input 16 point, Relay Output 12 point | AC100-220V power supply | |
| 13 | XEC-DR28UP | DC 24V Input 16 point, Relay Output 12 point | AC100-220V power supply | |
| 14 | XBC-DP32U | DC 24V Input 16 point, TR Output 16 point(source type) | AC100-220V power supply | |
| 15 | XBC-DP32UA | DC 24V Input 16 point, TR Output 16 point(source type) | AC100-220V power supply | |
| 16 | XBC-DP32UP | DC 24V Input 16 point, TR Output 16 point(source type) | AC100-220V power supply | |
| 17 | XEC-DP32U | DC 24V Input 16 point, TR Output 16 point(source type) | AC100-220V power supply | |
| 18 | XEC-DP32UA | DC 24V Input 16 point, TR Output 16 point(source type) | AC100-220V power supply | |
| 19 | XEC-DP32UP | DC 24V Input 16 point, TR Output 16 point(source type) | AC100-220V power supply | |

7. XBC(XEC) U/DC modules : listed in Table 8

Table 8

| No. | MODEL | Description | Highest Associated | Remark |
|-----|---------------|--|--------------------|--------|
| | XGB | | Voltage | |
| 1 | XBC-DN32U/DC | DC 24V Input 16 point, TR Output 16 point | DC24V power supply | |
| 2 | XBC-DN32UA/DC | DC 24V Input 16 point, TR Output 16 point | DC24V power supply | |
| 3 | XBC-DN32UP/DC | DC 24V Input 16 point, TR Output 16 point | DC24V power supply | |
| 4 | XEC-DN32U/DC | DC 24V Input 16 point, TR Output 16 point | DC24V power supply | |
| 5 | XEC-DN32UA/DC | DC 24V Input 16 point, TR Output 16 point | DC24V power supply | |
| 6 | XEC-DN32UP/DC | DC 24V Input 16 point, TR Output 16 point | DC24V power supply | |
| 7 | XBC-DR28U/DC | DC 24V Input 16 point, Relay Output 12 point | DC24V power supply | |
| 8 | XBC-DR28UA/DC | DC 24V Input 16 point, Relay Output 12 point | DC24V power supply | |
| 9 | XBC-DR28UP/DC | DC 24V Input 16 point, Relay Output 12 point | DC24V power supply | |
| 10 | XEC-DR28U/DC | DC 24V Input 16 point, Relay Output 12 point | DC24V power supply | |
| 11 | XEC-DR28UA/DC | DC 24V Input 16 point, Relay Output 12 point | DC24V power supply | |
| 12 | XEC-DR28UP/DC | DC 24V Input 16 point, Relay Output 12 point | DC24V power supply | |
| 13 | XBC-DP32U/DC | DC 24V Input 16 point, TR Output 16 point(source type) | DC24V power supply | |
| 14 | XBC-DP32UA/DC | DC 24V Input 16 point, TR Output 16 point(source type) | DC24V power supply | |
| 15 | XBC-DP32UP/DC | DC 24V Input 16 point, TR Output 16 point(source type) | DC24V power supply | |
| 16 | XEC-DP32U/DC | DC 24V Input 16 point, TR Output 16 point(source type) | DC24V power supply | |
| 17 | XEC-DP32UA/DC | DC 24V Input 16 point, TR Output 16 point(source type) | DC24V power supply | |
| 18 | XEC-DP32UP/DC | DC 24V Input 16 point, TR Output 16 point(source type) | DC24V power supply | |

8. Digital I/O modules : listed in Table 9

Table 9

| No. | MODEL | Description | Highest Associated | Remark |
|-----|-----------|---|--------------------|--------|
| | XGB | | Voltage | |
| 1 | XBE-DC08A | DC24V Input module 8points | 5VDC(SELV) | |
| 2 | XBE-DC16A | DC24V Input module 16points | 5VDC(SELV) | |
| 3 | XBE-DC32A | DC24V Input module 32 point | 5VDC(SELV) | |
| 4 | XBE-DR16A | DC24V Input 8point/Relay Output module 8 point | 5VDC(SELV) | |
| 5 | XBE-TN08A | Transistor Output module 8points(sink) | 5VDC(SELV) | |
| 6 | XBE-TN16A | Transistor Output module 16points(sink) | 5VDC(SELV) | |
| 7 | XBE-TN32A | Transistor Output module 32points(sink) | 5VDC(SELV) | |
| 8 | XBE-TP08A | Transistor Output module 8points(source) | 5VDC(SELV) | |
| 9 | XBE-TP16A | Transistor Output module 16points(source) | 5VDC(SELV) | |
| 10 | XBE-TP32A | Transistor Output module 32points(source) | 5VDC(SELV) | |
| 11 | XBE-RY08A | Relay Output module 8 points | 5VDC(SELV) | |
| 12 | XBE-RY08B | Relay Output module 8 points | 5VDC(SELV) | |
| 13 | XBE-RY16A | Relay Output module 16 points | 5VDC(SELV) | |
| 14 | XBE-DN32A | DC24V Input 16point/Transistor Output module 16 point | 5VDC(SELV) | |
| 15 | XBE-AC08A | AC110V Input module 8points | 110VAC | |
| 16 | XBE-DC08D | DC24V Input module 8points | 5VDC(SELV) | |
| 17 | XBE-DC16D | DC24V Input module 16points | 5VDC(SELV) | |
| 18 | XBE-RY08D | DC24V Input module 32 point | 5VDC(SELV) | |
| 19 | XBE-RY16D | DC24V Input 8point/Relay Output module 8 point | 5VDC(SELV) | |
| 20 | XBE-TN08D | Transistor Output module 8points(sink) | 5VDC(SELV) | |
| 21 | XBE-TN16D | Transistor Output module 16points(sink) | 5VDC(SELV) | |
| 22 | XBE-TP08D | Transistor Output module 8points(source) | 5VDC(SELV) | |
| 23 | XBE-TP16D | Transistor Output module 16points(source) | 5VDC(SELV) | |
| 24 | XBE-DC16B | DC12/24V Input module 16points | 5VDC(SELV) | |

9. Option modules : listed in Table 10

Table 10

| No. | MODEL | Description | Highest Associated | Remark |
|-----|-----------|--|--------------------|--------|
| | XGB | | Voltage | |
| 1 | XBO-DC04A | DC 24V Input module 4 points ("XBC(XEC)"-SU type HSC 4 channel) | 5VDC(SELV) | |
| 2 | XBO-TN04A | Transistor Output 4 module channel(sink) ("XBC(XEC)"-SU type Positioning 2 axes (low speed)) | 5VDC(SELV) | |
| 3 | XBO-RTCA | RTC module | 5VDC(SELV) | |
| 4 | XBO-AD02A | Analog Input 2-channel (Current/Voltage) | 5VDC(SELV) | |
| 5 | XBO-AH02A | Analog Input/Output 2-channel (Current/Voltage Input 1 channel, output 1 channel) | 5VDC(SELV) | |
| 6 | XBO-DA02A | Analog Output 2-channel (Current/Voltage) | 5VDC(SELV) | |
| 7 | XBO-RD01A | RTD Input 1 channel | 5VDC(SELV) | |
| 8 | XBO-TC02A | Thermocouple Input 2 channel | 5VDC(SELV) | |



10. Special modules : listed in Table 11

Table 11

| No. | MODEL | Description | Highest Associated | Remark |
|-----|------------|------------------------------|--------------------|--------|
| | XGB | | Voltage | |
| 1 | XBF-AD04A | Volt/Current, 4-CH | 5VDC(SELV) | |
| 2 | XBF-AD08A | Volt/Current, 8-CH | 5VDC(SELV) | |
| 3 | XBF-AD04C | Volt/Current, 4-CH, 14bit | 5VDC(SELV) | |
| 4 | XBF-DV04A | Voltage, 4-CH | 5VDC(SELV) | |
| 5 | XBF-DV04C | Voltage, 4-CH, 14bit | 5VDC(SELV) | |
| 6 | XBF-DC04A | Current, 4-CH | 5VDC(SELV) | |
| 7 | XBF-DC04B | Current, 4-CH (0~1.2mA) | 5VDC(SELV) | |
| 8 | XBF-DC04C | Current, 4-CH, 14bit | 5VDC(SELV) | |
| 9 | XBF-AH04A | Volt/Current I/O, 2/2 CH | 5VDC(SELV) | |
| 10 | XBF-RD04A | RTD, 4-CH | 5VDC(SELV) | |
| 11 | XBF-RD01A | RTD, 1-CH | 5VDC(SELV) | |
| 12 | XBF-TC04S | TC, 4-CH | 5VDC(SELV) | |
| 13 | XBF-TC04B | TC, 4-CH (0~100mV) | 5VDC(SELV) | |
| 14 | XBF-TC04RT | RTD,4-CH, TR, 4-POINT | 5VDC(SELV) | |
| 15 | XBF-TC04TT | TC,4-CH, TR, 4-POINT | 5VDC(SELV) | |
| 16 | XBF-PD02A | Line-Driver, 2-Axis | 5VDC(SELV) | |
| 17 | XBF-PN04B | Network,4-Axis | 5VDC(SELV) | |
| 18 | XBF-PN08B | Network,8-Axis | 5VDC(SELV) | |
| 19 | XBF-HO02A | Open-Collector, 2-CH | 5VDC(SELV) | |
| 20 | XBF-HD02A | Line-Driver, 2-CH | 5VDC(SELV) | |
| 21 | XBF-LD02S | Load Cell Input Module, 2-CH | 5VDC(SELV) | |
| 22 | XBF-AD04D | Volt/Current, 4-CH | 5VDC(SELV) | |
| 23 | XBF-DV04D | Voltage, 4-CH | 5VDC(SELV) | |
| 24 | XBF-DC04D | Current, 4-CH | 5VDC(SELV) | |
| | | | | |
| | | | | |

11. Communication modules : listed in Table 12

Table 12

| No. | MODEL | Description | Highest Associated | Remark |
|-----|----------|--|--------------------|--------|
| | XGB | | Voltage | |
| 1 | XBL-CMEA | CANopen I/F module(Master) | 5VDC(SELV) | |
| 2 | XBL-CSEA | CANopen I/F module(Slave) | 5VDC(SELV) | |
| 3 | XBL-EIMF | RAPIDnet I/F module (Optical 2 ports) | 5VDC(SELV) | |
| 4 | XBL-EIMH | RAPIDnet I/F module (Electric 1 port, optical 1port) | 5VDC(SELV) | |
| 5 | XBL-EIMT | RAPIDnet I/F module (Electric 2 ports) | 5VDC(SELV) | |
| 6 | XBL-EIPT | EtherNet/IP I/F module | 5VDC(SELV) | |
| 7 | XBL-PMEC | Profibus-DP I/F module(Master) | 5VDC(SELV) | |
| 8 | XBL-C21A | Cnet I/F module (RS-232C 1 Channel) | 5VDC(SELV) | |
| 9 | XBL-C41A | Cnet I/F module (RS-422/485 1 Channel) | 5VDC(SELV) | |
| 10 | XBL-EMTA | EtherNET I/F module (10/100 BASE-TX) | 5VDC(SELV) | |
| 11 | XBL-PSEA | Profibus-DP I/F module(Slave) | 5VDC(SELV) | |
| 12 | XBL-DSEA | DeviceNet I/F module(Slave) | 5VDC(SELV) | |
| 13 | XBL-PMEA | Profibus-DP I/F module(Master) | 5VDC(SELV) | |
| 14 | XBL-RMEA | Rnet I/F module(Master) | 5VDC(SELV) | |

12. Smart I/O Pnet modules : listed in Table 13

Table 13

| No. | MODEL | Description | Highest Associated | Remark |
|-----|-----------|---|--------------------|--------|
| | XGB | | Voltage | |
| 1 | GPL-TR2A | TR Output 16 point (Sink 0.1A) | DC24V power supply | |
| 2 | GPL-TR2A1 | TR Output 16 point (Sink 0.5A) | DC24V power supply | |
| 3 | GPL-TR2B | TR Output 16 point (Source 0.5A) | DC24V power supply | |
| 4 | GPL-TR4A | TR Output 32 point (Sink 0.1A) | DC24V power supply | |
| 5 | GPL-TR4A1 | TR Output 32 point (Sink 0.5A) | DC24V power supply | |
| 6 | GPL-TR4B | TR Output 32 point (Source 0.5A) | DC24V power supply | |
| 7 | GPL-DT4A | DC Input 16 point /TR Output 16 point (Sink 0.1A) | DC24V power supply | |
| 8 | GPL-DT4A1 | DC Input 16 point /TR Output 16 point (Sink 0.5A) | DC24V power supply | |
| 9 | GPL-DT4B | DC Input 16 point /TR Output 16 point (Source 0.5A) | DC24V power supply | |
| 10 | GPL-RY2A | Relay Output 16 point | DC24V power supply | |
| 11 | GPL-D22A | DC Input 16 point | DC24V power supply | |
| 12 | GPL-D24A | DC Input 32 point | DC24V power supply | |
| 13 | GPL-TR2A | TR Output 16 point (Sink 0.1A) | DC24V power supply | |
| 14 | GPL-TR2C | TR Output 16 (Source 0.5A) | DC24V power supply | |
| 15 | GPL-TR2C1 | TR Output 16 point (Sink 0.5A) | DC24V power supply | |
| 16 | GPL-TR4C | TR Output 32 (Sink 0.5A) | DC24V power supply | |
| 17 | GPL-TR4C1 | TR Output 32 point (Sink 0.5A) | DC24V power supply | |
| 18 | GPL-DT4C | DC Input 16/TR Output 16 (Sink 0.5A) | DC24V power supply | |
| 19 | GPL-DT4C1 | DC Input 16 point /TR Output 16 point (Sink 0.5A) | DC24V power supply | |
| 20 | GPL-RY2C | Relay Output 16 point | DC24V power supply | |
| 21 | GPL-D22C | DC Input 16 | DC24V power supply | |
| 22 | GPL-D24C | DC Input 32 point | DC24V power supply | |
| 23 | GPL-AV8C | Analog voltage Input, 8 channels | DC24V power supply | |
| 24 | GPL-AC8C | Analog current Input, 8 channels | DC24V power supply | |
| 25 | GPL-DV4C | Analog voltage Output, 4 channels | DC24V power supply | |
| 26 | GPL-DC4C | Analog current Output, 4 channels | DC24V power supply | |

13. Smart I/O Dnet modules : listed in Table 14

Table 14

| No. | MODEL | Description | Highest Associated | Remark |
|-----|-----------|---|--------------------|--------|
| | XGB | | Voltage | |
| 1 | GDL-TR2A | TR Output 16 point (Sink 0.1A) | DC24V power supply | |
| 2 | GDL-TR2A1 | TR Output 16 point (Sink 0.5A) | DC24V power supply | |
| 3 | GDL-TR2B | TR Output 16 point (Source 0.5A) | DC24V power supply | |
| 4 | GDL-TR4A | TR Output 32 point (Sink 0.1A) | DC24V power supply | |
| 5 | GDL-TR4A1 | TR Output 32 point (Sink 0.5A) | DC24V power supply | |
| 6 | GDL-TR4B | TR Output 32 point (Source 0.5A) | DC24V power supply | |
| 7 | GDL-DT4A | DC Input 16 point /TR Output 16 point (Sink 0.1A) | DC24V power supply | |
| 8 | GDL-DT4A1 | DC Input 16 point /TR Output 16 point (Sink 0.5A) | DC24V power supply | |
| 9 | GDL-DT4B | DC Input 16 point /TR Output 16 point (Source 0.5A) | DC24V power supply | |
| 10 | GDL-RY2A | Relay Output 16 point | DC24V power supply | |
| 11 | GDL-D22A | DC Input 16 point | DC24V power supply | |
| 12 | GDL-D24A | DC Input 32 point | DC24V power supply | |
| 13 | GDL-TR2C | TR Output 16 (Source 0.5A) | DC24V power supply | |
| 14 | GDL-TR2C1 | TR Output 16 point (Sink 0.5A) | DC24V power supply | |
| 15 | GDL-TR4C | TR Output 32 (Sink 0.5A) | DC24V power supply | |
| 16 | GDL-TR4C1 | TR Output 32 point (Sink 0.5A) | DC24V power supply | |
| 17 | GDL-DT4C | DC Input 16/TR Output 16 (Sink 0.5A) | DC24V power supply | |
| 18 | GDL-DT4C1 | DC Input 16 point /TR Output 16 point (Sink 0.5A) | DC24V power supply | |
| 19 | GDL-RY2C | Relay Output 16 point | DC24V power supply | |
| 20 | GDL-D22C | DC Input 16 | DC24V power supply | |
| 21 | GDL-D24C | DC Input 32 point | DC24V power supply | |

14. Smart I/O Rnet modules : listed in Table 15

Table 15

| No. | MODEL | Description | Highest Associated | Remark |
|-----|-------------|---|--------------------|--------|
| | XGB | | Voltage | |
| 1 | GRL-TR2A(N) | TR Output 16 point (Sink 0.1A) | DC24V power supply | |
| 2 | GRL-TR4A(N) | TR Output 32 point (Sink 0.1A) | DC24V power supply | |
| 3 | GRL-DT4A(N) | DC Input 16 point /TR Output 16 point (Sink 0.1A) | DC24V power supply | |
| 4 | GRL-RY2A(N) | Relay Output 16 point | DC24V power supply | |
| 5 | GRL-D22A(N) | DC Input 16 point | DC24V power supply | |
| 6 | GRL-D24A(N) | DC Input 32 point | DC24V power supply | |
| 7 | GRL-TR2C1 | TR Output 16 point (Sink 0.5A) | DC24V power supply | |
| 8 | GRL-TR2C | TR Output 16 (Source 0.5A) | DC24V power supply | |
| 9 | GRL-TR4C1 | TR Output 32 point (Sink 0.5A) | DC24V power supply | |
| 10 | GRL-TR4C | TR Output 32 (Sink 0.5A) | DC24V power supply | |
| 11 | GRL-DT4C1 | DC Input 16 point /TR Output 16 point (Sink 0.5A) | DC24V power supply | |
| 12 | GRL-DT4C | DC Input 16/TR Output 16 (Sink 0.5A) | DC24V power supply | |
| 13 | GRL-RY2C | Relay Output 16 point | DC24V power supply | |
| 14 | GRL-D22C | DC Input 16 | DC24V power supply | |
| 15 | GRL-D24C | DC Input 32 point | DC24V power supply | |
| 16 | GOL-RR8T | Rnet Repeater Hub Module | DC24V power supply | |

15. Smart I/O Snet modules : listed in Table 16

Table 16

| No. | MODEL | Description | Highest Associated | Remark |
|-----|-----------|---|--------------------|--------|
| | XGB | | Voltage | |
| 1 | GSL-TR2A | TR Output 16 point (Sink 0.1A) | DC24V power supply | |
| 2 | GSL-TR4A | TR Output 32 point (Sink 0.1A) | DC24V power supply | |
| 3 | GSL-DT4A | DC Input 16 point /TR Output 16 point (Sink 0.1A) | DC24V power supply | |
| 4 | GSL-RY2A | Relay Output 16 point | DC24V power supply | |
| 5 | GSL-D22A | DC Input 16 point | DC24V power supply | |
| 6 | GSL-D24A | DC Input 32 point | DC24V power supply | |
| 7 | GSL-TR2C1 | TR Output 16 point (Sink 0.5A) | DC24V power supply | |
| 8 | GSL-TR2C | TR Output 16 (Source 0.5A) | DC24V power supply | |
| 9 | GSL-TR4C1 | TR Output 32 point (Sink 0.5A) | DC24V power supply | |
| 10 | GSL-TR4C | TR Output 32 (Sink 0.5A) | DC24V power supply | |
| 11 | GSL-DT4C1 | DC Input 16 point /TR Output 16 point (Sink 0.5A) | DC24V power supply | |
| 12 | GSL-DT4C | DC Input 16/TR Output 16 (Sink 0.5A) | DC24V power supply | |
| 13 | GSL-RY2C | Relay Output 16 point | DC24V power supply | |
| 14 | GSL-D22C | DC Input 16 | DC24V power supply | |
| 15 | GSL-D24C | DC Input 32 point | DC24V power supply | |

16. Smart I/O RAPIenet modules : listed in Table 17

Table 17

| No. | MODEL | Description | Highest Associated | Remark |
|-----|-----------|---|--------------------|--------|
| | XGB | | Voltage | |
| 1 | GEL-TR4C1 | TR Output 32 point (Sink 0.5A) | DC24V power supply | |
| 2 | GEL-DT4C1 | DC Input 16 point /TR Output 16 point (Sink 0.5A) | DC24V power supply | |
| 3 | GEL-RY2C | Relay Output 16 point | DC24V power supply | |
| 4 | GEL-D24C | DC Input 32 point | DC24V power supply | |
| 5 | GEL-AV8C | Analog voltage Input, 8 channels | DC24V power supply | |
| 6 | GEL-AC8C | Analog current Input, 8 channels | DC24V power supply | |
| 7 | GEL-DV4C | Analog voltage Output, 4 channels | DC24V power supply | |
| 8 | GEL-DC4C | Analog current Output, 4 channels | DC24V power supply | |
| 9 | GEL-TR4C | TR Output 32 point (Source 0.5A) | DC24V power supply | |
| 10 | GEL-DT4C | DC Input 16 point /TR Output 16 point (Source 0.5A) | DC24V power supply | |



17. Smart I/O Extendable modules : listed in Table 18

Table 18

| No. | MODEL | Description | Highest Associated | Remark |
|-----|-----------|--------------------------------|--------------------|--------|
| | XGB | | Voltage | |
| 1 | XEL-BSSA | Enet I/F adapter (MODBUS/TCP) | DC24V power supply | |
| 2 | XEL-BSSB | Enet I/F adapter (EtherNet/IP) | DC24V power supply | |
| 3 | XPL-BSSA | Pnet I/F adapter | DC24V power supply | |
| 4 | XRL-BSSA | Rnet I/F adapter | DC24V power supply | |
| 5 | XDL-BSSA | Dnet I/F adapter | DC24V power supply | |
| 6 | XEL-BSSCT | EtherCAT I/F adapter | DC24V power supply | |
| 7 | XEL-BSSRT | RAPIEnet I/F adapter | DC24V power supply | |
| 8 | XEL-BSSRF | RAPIEnet I/F adapter | DC24V power supply | |
| 9 | XEL-BSSRH | RAPIEnet I/F adapter | DC24V power supply | |

