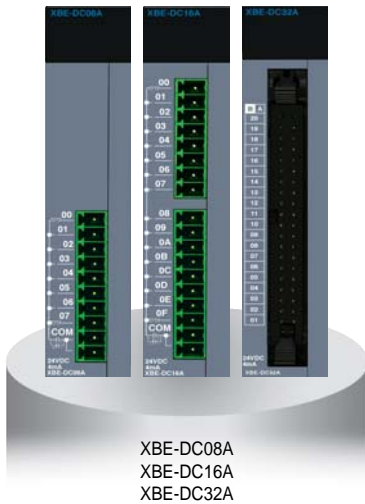


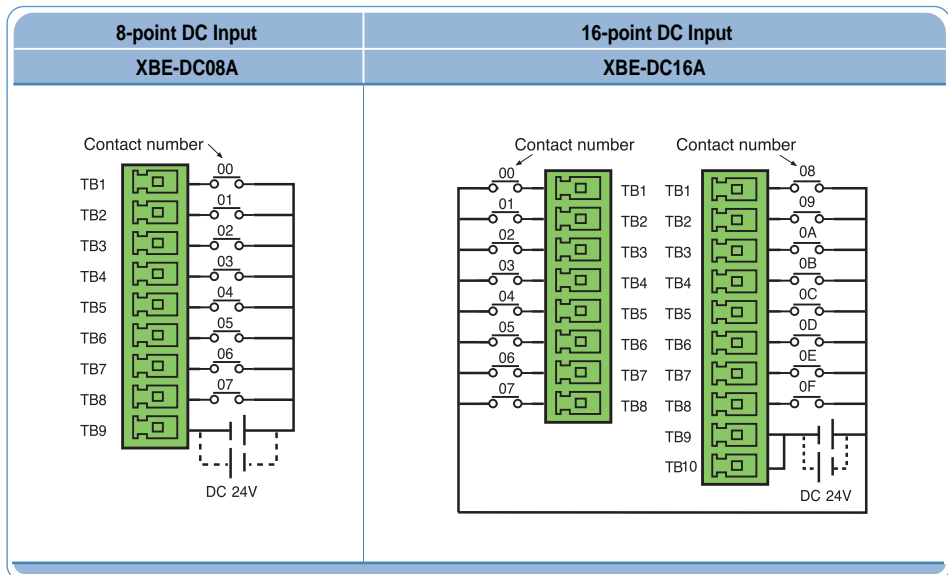
Specification



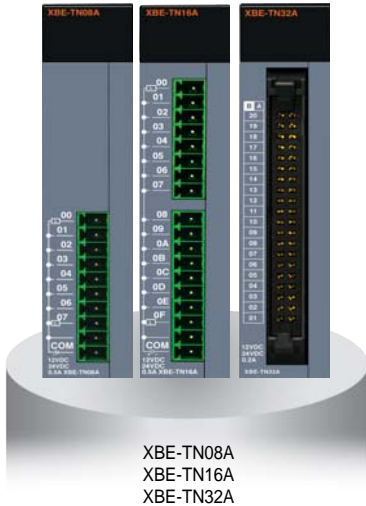
| Specification | Model | XBE-DC08A | XBE-DC16A | XBE-DC32A |
|-------------------------------|----------|--|-----------------|-----------------|
| Input point | | 8 points | 16 points | 32 points |
| Rated input voltage / current | | DC 24V / 4mA | | |
| Operation voltage range | | DC 20.4 ~ 28.8V (Ripple rate < 5%) | | |
| Input resistance | | 5.6kΩ | | |
| Response time | Off → On | 1 / 3 / 5 / 10 / 20 / 70 / 100ms (setting by CPU parameter) Initial value: 3ms | | |
| | On → Off | | | |
| Insulation pressure | | AC 560Vrms / 3 Cycle (altitude 2000m) | | |
| Insulation resistance | | 10MΩ or more by megger | | |
| COMMON method | | 8 points / COM | 16 points / COM | 32 points / COM |
| Internal current consumption | | 30mA | 40mA | 50mA |

Wiring

(XBE-DC08A / DC16A)



Specification



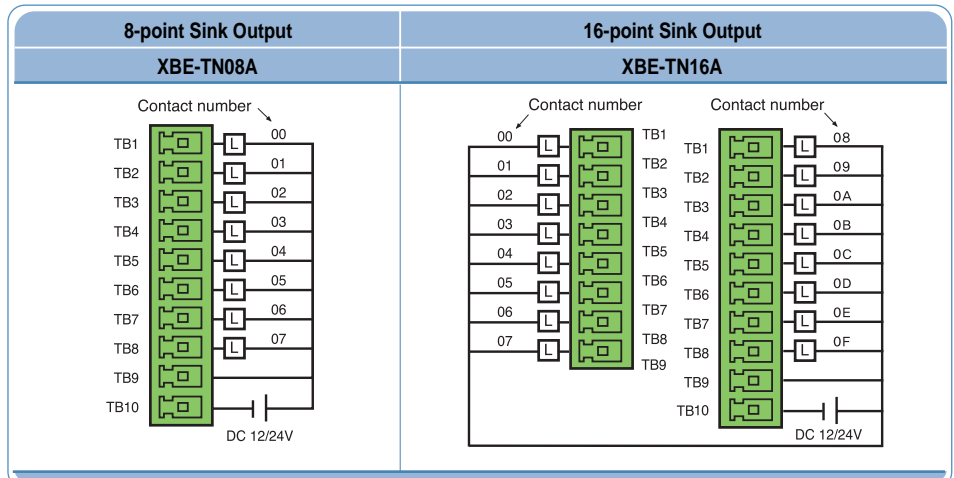
XBE-TN08A
XBE-TN16A
XBE-TN32A

| Specification | Model | XBE-TN08A | XBE-TP08A | XBE-TN16A | XBE-TP16A | XBE-TN32A | XBE-TP32A |
|------------------------------|----------|---|-----------|-------------------------|-----------|----------------------------------|-----------|
| Type | | Sink | Source | Sink | Source | Sink | Source |
| Output point | | 8 point | | 16 point | | 32 point | |
| Rated load voltage | | DC 12 / 24V | | | | | |
| Load voltage range | | DC 10.2 ~ 26.4 V | | | | | |
| Max. load current | | 0.2A / 1point | | 0.2A / 1point, 2A / COM | | | |
| Off leakage current | | 0.1mA or less | | | | | |
| Max. voltage drop (On) | | DC 0.4V | | | | | |
| Response time | Off → On | 1mA or less | | | | | |
| | On → Off | 1mA or less (Rated load, resistive load) | | | | | |
| Common method | | 8 points / COM | | 16 points / COM | | 32 points / COM | |
| Internal current consumption | | 40mA | | 60mA | | 120mA | |
| External power supply | Voltage | DC 12 / 24V ± 10% (Ripple voltage ≤ 4 Vp-p) | | | | | |
| | Current | 10mA or less (DC 24V connection) | | | | 20mA or less (DC 24V connection) | |

| Item | | XBF-AD04C | |
|-----------------------|------------------|--|--|
| Analog range | Item | Voltage | |
| | Range | DC 1 ~ 5V, DC 0 ~ 5V, DC 0 ~ 10V, DC -10 ~ 10V (Input resistance 1MΩ min) | Current DC 4 ~ 20mA DC 0 ~ 20mA (Input resistance 250MΩ) |
| Digital Output | Range | Type | 16bit binary data(Data : 14bit) |
| | | Unsigned value | 0 ~ 16000 |
| | | Signed value | -8000 ~ 8000 |
| | | Precise value | 1000 ~ 5000 (1 ~ 5V), 0 ~ 5000 (0 ~ 5V), 0 ~ 10000 (0 ~ 10V) |
| | Percentile value | 0 ~ 10000 | |
| Resolution | | 1/16000 0.250mV(1 ~ 5V) 0.3125mV(0 ~ 5V) 0.625mV(0 ~ 10V) 1.250mV(±10V) | 1.0μA(4 ~ 20mA) 1.25μA(0 ~ 20mA) |
| Max. conversion speed | | 1ms/channel | |
| Max. absolute input | | DC ±15V | |
| Analog Input Channels | | 4 channel/module | |
| Insulation method | | Photo-coupler insulation between input terminal and PLC power (no insulation between channels) | |
| Connection terminal | | 15-point terminal block | |
| Occupied I/O points | | Fixed type : 64points | |
| Current consumption | DC 5V | 110mA | |
| | DC 24V | 100mA | |

Wiring

(XBE-TN08A / TN16A)



XGB Expansion | Relay Output

Specification



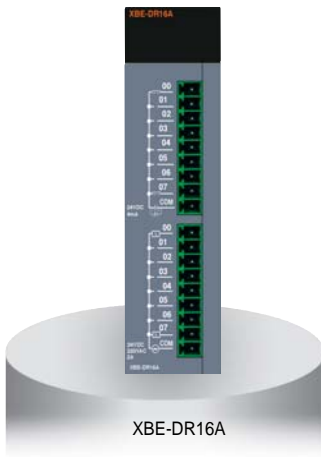
XBE-RY08A
XBE-RY16A

| Model | | XBE-RY08A | XBE-RY16A |
|-------------------------------|------------|---|------------------------------------|
| Specification | | | |
| Output point | | 8 points | 16 points |
| Insulation method | | Relay insulation | |
| Rated input voltage / Current | | DC 24V 2A (resistive load) / AC 220V 2A (COS ψ = 1), 5A /COM | |
| Min. load voltage / Current | | DC 5V 1mA | |
| Max. load voltage | | AC 250V, DC 125V | |
| Off leakage current | | 0.1mA (AC 220V, 60Hz) | |
| Max. on / Off frequency | | 3,600 times / hr | |
| Surge absorber | | None | |
| Service life | Mechanical | 20million times or more | |
| | Electrical | Rated load voltage / Current 100,000 times or more | |
| | | AC 200V / 1.5A, AC 240V / 1A (COS ψ = 0.7) 100,000 times or more AC 200V / 1A, AC 240V / 0.5 (COS ψ = 0.35) 100,000 tiems or more DC 24V / 1A, DC 100V / 0.1A (L / R = 7ms) 100,000 times or more | |
| Response time | Off → On | 10ms or less | |
| | On → Off | 12ms or less | |
| COMMON method | | 8 points / 1COM | |
| Internal current consumption | | 230mA | 420mA |
| Operation indicator | | Output On, LED On | |
| External connection method | | 9-pin terminal block connector | 9-pin terminal block connector x 2 |

| Item | | XBF-DV04C | XBF-DC04C |
|-----------------------|------------------|---|---|
| Analog range | Item | Voltage | Current |
| | Range | DC 1 ~ 5V, DC 0 ~ 5V, DC 0 ~ 10V, DC -10 ~ 10V (Input resistance 1k Ω or more) | DC 4 ~ 20mA DC 0 ~ 20mA (Input resistance 600M Ω or less) |
| Digital Output Range | Type | 16bit binary data(Data : 14bit) | |
| | Unsigned value | 0 ~ 16000 | |
| | Signed value | -8000 ~ 8000 | |
| | Precise value | 1000 ~ 5000 (1 ~ 5V), 0 ~ 5000 (0 ~ 5V), 0 ~ 10000 (0 ~ 10V) | 4000 ~ 20000 (4 ~ 20mA), 0 ~ 20000 (0 ~ 20mA) |
| Resolution | Percentile value | 0 ~ 10000 1/16000 | |
| | | 0.250mV(1 ~ 5V) 0.3125mV(0 ~ 5V) 0.625mV(0 ~ 10V) 1.250mV(\pm 10V) | 1.0 μ A(4 ~ 20mA) 1.25 μ A(0 ~ 20mA) |
| Max. conversion speed | | 1ms/channel | |
| Analog Input Channels | | 4 channel/module | |
| Insulation method | | Photo-coupler insulation between output terminal and PLC power (no insulation between channels) | |
| Connection terminal | | 11-point terminal block | |
| Occupied I/O points | | Fixed type : 64points | |
| Current consumption | DC 5V | 75mA | |
| | DC 24V | 170mA | |



DC Input specification

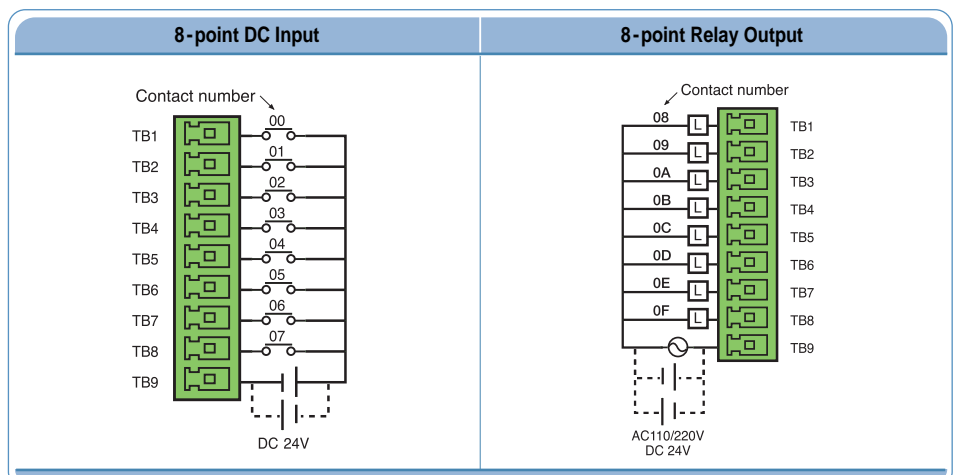


Relay output specification

| Specification | Model | DC Input (XBE-DR16A) |
|---------------------------|----------------------|---|
| Input point | | 8 points |
| Insulation method | | Photocoupler |
| Rated input voltage | | DC 24V |
| Rated input current | | 4mA |
| Operation voltage range | | DC 20.4 ~ 28.8V (Ripple rate < 5%) |
| On voltage / On current | | DC 19V or more / 3mA or more |
| Off voltage / Off current | | DC 6V or less / 1mA or less |
| Input resistance | | 5.6kΩ |
| Response time | Off → On On → Off | 1 / 3 / 5 / 10 / 20 / 70 / 100ms (setting by CPU parameter) init value: 3ms |
| COMMON method | | 8 points / COM |
| Weight | | 81g |

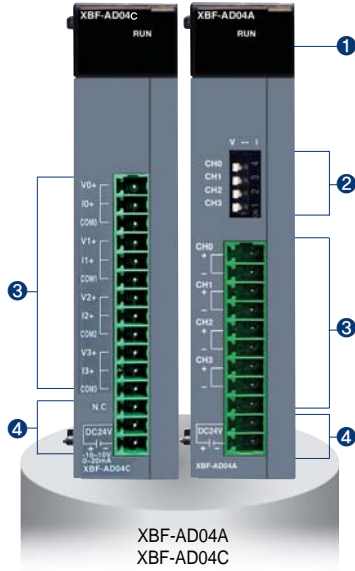
| Specification | Model | Relay Output (XBE-DR16A) |
|-------------------------------|----------------------|---|
| Output point | | 8 points |
| Insulation method | | Relay insulation |
| Rated input voltage / Current | | DC 24V 2A (resistive load) / AC 220V 2A (COSψ = 1), 5A /COM |
| Min. load voltage / Current | | DC 5V 1mA |
| Max. load voltage | | AC 250V, DC 125V |
| Off leakage current | | 0.1mA (AC 220V, 60Hz) |
| Max. on / Off frequency | | 3,600 times / hr |
| Surge absorber | | None |
| Service life | Mechanical | 20million times or more |
| | Electrical | Rated load voltage / Current 100,000 times or more |
| | | AC 200V / 1.5A, AC 240V / 1A (COSψ = 0.7) 100,000 times or more AC 200V / 1A, AC 240V / 0.5 (COSψ = 0.35) 100,000 tiems or more DC 24V / 1A, DC 100V / 0.1A (L / R = 7ms) 100,000 times or more |
| Response time | Off → On On → Off | 10ms or less 12ms or less |
| COMMON method | | 8 points / 1COM |
| Internal current consumption | | 250mA |
| Operation indicator | | Output On, LED On |
| External connection method | | 9-pin terminal block connector |

Wiring (XBE-DR16A)



XGB Expansion | Analog Input

Specification

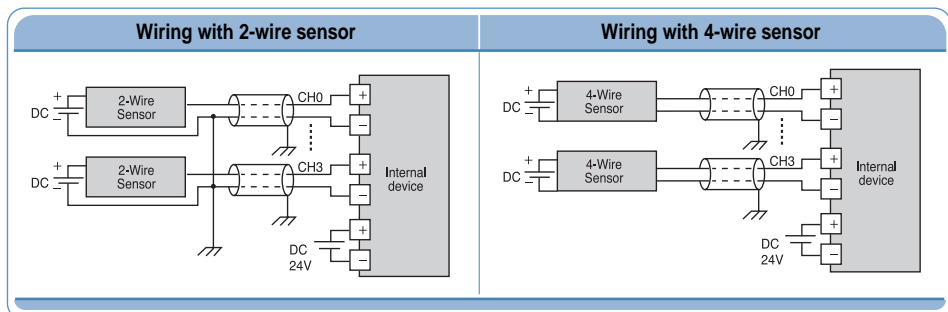


| Item | | XBF-AD04A | | XBF-AD04C | | XBF-AD08A | | |
|-----------------------|---|---|--|--|---|--|---|---|
| Analog range | Item | Voltage | Current | Voltage | Current | Voltage | Current | |
| | Range | DC 0~10V (input resistance : 1MΩ min.) | DC 4~20mA, DC 0~20mA (input resistance: 250Ω) | DC 1 ~ 5V DC 0 ~ 5V DC 0 ~ 10V DC -10 ~ 10V (Input resistance : 1MΩ min) | DC 4 ~ 20mA DC 0 ~ 20mA (Input resistance : 250MΩ) | DC 1~5V DC 0~5V DC 0~10V (Input resistance : 250MΩ) | DC 4~20mA, DC 0~20mA (input resistance: 250Ω) | |
| Digital output | Type | 12bit binary data | | 16bit binary data (Data : 14bit) | | 12bit binary data | | |
| | Range | Unsigned value | 0~4000 | | 0 ~ 16000 | | 0~4000 | |
| | | Signed value | -2000~2000 | | -8000~8000 | | -2000~2000 | |
| | | Precise value | 0~1000 | 4000~2000/ 0~2000 | 100~5000 (1~5V) 0~5000 (0~5V) 0~10000 (0~5V) -10000~10000 (±10V) | 4000~20000 (4~20mA) 0~20000 (0~20mA) | 100~500 (DC 1~5V) 0~500 (DC 0~5V) 0~1000 (DC 0~10V) | 4000~2000 (DC 4~20mA) 0~2000 (DC 0~20mA) |
| Percentile value | 0~1000 | | 0~10000 | | 0~1000 | | | |
| Resolution | 2.5mV (1/4000) | 5μA (1/4000) | 1/16000 | | 0.250mV(1~5V) 0.3125mV(0~5V) 0.625mV(0~10V) 1.250mV(±10V) | 1.25mV (DC 1~5V, 0~5V) 2.5mV (DC 0~10V) | 5μA (DC 4~20mA, 0~20mA) | |
| Max. conversion speed | 1.5ms / channel | | 1ms / channel | | 1.5ms / channel | | | |
| Max. absolute input | ±15V | ±25mA | DC ±15V | DC ±3mA | ±15V | ±25mA | | |
| Analog Input channels | 4 channel/module | | 4 channel/module | | 8 channel/module | | | |
| Insulation method | Photocoupler insulation between I/O terminal and power supply | | Photo-coupler insulation between input terminal and PLC power (No insulation between channels) | | Photocoupler insulation between I/O terminal and power supply | | | |
| Connection terminal | 11-point terminal block | | 15-point terminal block | | 11-point terminal block | | | |
| Occupied I/O points | Fixed type : 64 points | | | | | | | |
| Current consumption | DC 5V | 120mA | 110mA | 105mA | | | | |
| | DC 24V | 62mA | 100mA | 85mA | | | | |

Names and Functions

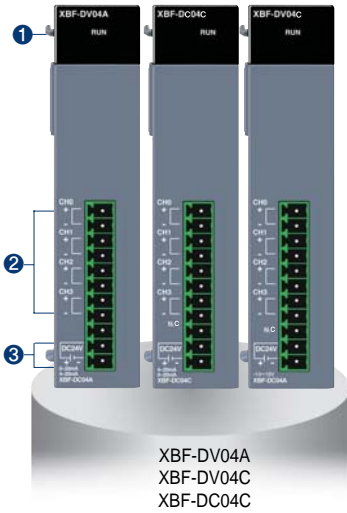
| No. | Name | Descriptions |
|-----|--------------------------------|---|
| ① | RUN LED | <ul style="list-style-type: none"> ▶ Indicates condition of module • LED On: Normal condition • LED On and Off: Flickering • LED Off: Power Off or module malfunction |
| ② | Input selection S/W | <ul style="list-style-type: none"> ▶ Voltage/Current selection switch • V: Voltage input selection • I: Current input selection |
| ③ | Terminal block | ▶ External device connection |
| ④ | External power supply terminal | ▶ External DC 24V input |

Wiring



※ Use 22AWG, 2 conductor, twist shielded cable when wiring between analog module and external device.

Specification

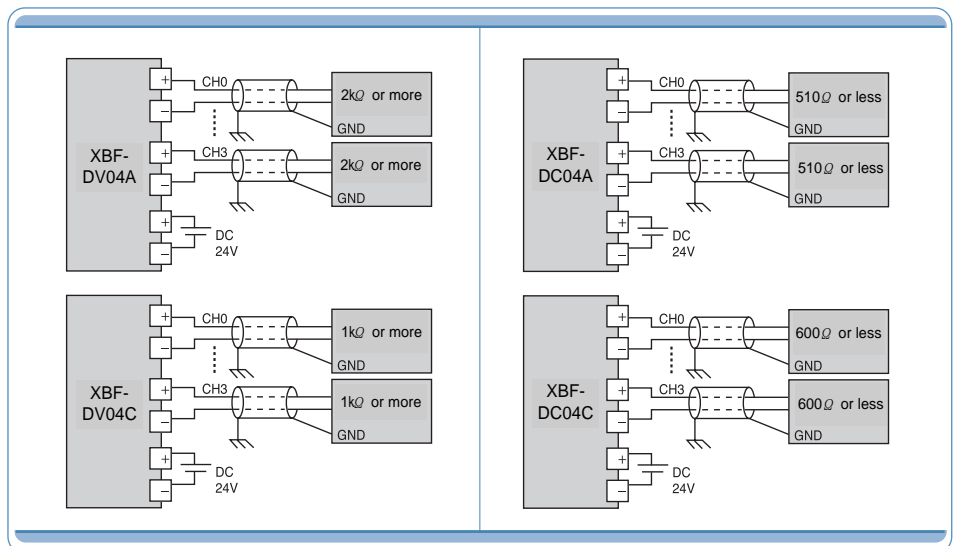


| Item | XBF-DV04A | XBF-DV04C | XBF-DC04C | XBF-DC04A | |
|-------------------------------|--|---|---|--|-----------------------|
| Analog range | DC 0 ~ 10 V (Load resistance $\geq 2k\Omega$) | DC 1 ~ 5V DC 0 ~ 5V DC 0 ~ 10V DC -10 ~ 10V (Input resistance : 1k Ω or more) | DC 4 ~ 20mA DC 0 ~ 20mA (Input resistance : 600M Ω or less) | 4 ~ 20mA / 0 ~ 20mA (Load resistance $\leq 510\Omega$) | |
| Analog range Selection | - | - | - | XG 5000 I/O parameter | |
| Digital data | Output range | 0 ~ 10 V | - | 4 ~ 20mA / 0 ~ 20mA | |
| | Unsigned value | 0 ~ 4000 | 0 ~ 16000 | 0 ~ 4000 | |
| | Signed value | - 2000 ~ 2000 | - 8000 ~ 8000 | - 2000 ~ 2000 | |
| | Precise value | 0 ~ 1000 | 1000~5000(1~5V) 0~5000(0~5V) 0~10000(0~10V) -1000~10000($\pm 10V$) | 4000~20000(4~20mA) 0~20000(0~20mA) | 400 ~ 2000 / 0 ~ 2000 |
| | Percentile value | 0~1000 | 0~10000 | 0~1000 | |
| Data format | Data format of digital input is set by user program or I/O parameter (Setting for each channel is available.) | | | | |
| Resolution | Resolution (1/4000) | 2.5mV | 1/1600 0.250m(1~5V) 0.3125m(0~5V) 0.625m(0~10V) 1.250m($\pm 10V$) | Resolution (1/4000) 5 μA | |
| | Max. conversion speed | 1ms / channel | 1ms / channel | 1ms / channel | |
| Max. absolute output | $\pm 15V$ | - | - | $\pm 25mA$ | |
| Accuracy | $\pm 0.5\%$ or less | - | - | $\pm 0.5\%$ or less | |
| Analog output channels | 4 channel / module | 4 channel / module | 4 channel / module | 4 channel / module | |
| Insulation method | Photocoupler insulation between I/O terminal and power supply | Photo-coupler insulation between output terminal and PLC power (no insulation between channels) | Photo-coupler insulation between I/O terminal and power supply | Photo-coupler insulation between I/O terminal and power supply | |
| Connection terminal | 11-point terminal block | | | | |
| Occupied I/O points | Fixed type: 64 points | | | | |
| Current consumption | DC 5V | 110mA | 75mA | 110mA | |
| | DC 24V | 70mA | 170mA | 120mA | |

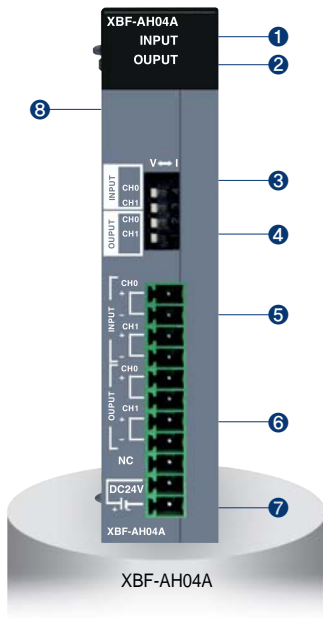
Names and Functions

| No. | Name | Descriptions |
|-----|---------------------------------------|---|
| ① | RUN LED | <ul style="list-style-type: none"> Indicates condition of module LED On: Normal condition LED On and Off: Flickering LED Off: Power Off or module malfunction |
| ② | Terminal block | External device connection |
| ③ | External power supply terminal | External DC 24V input |

Wiring



Specification

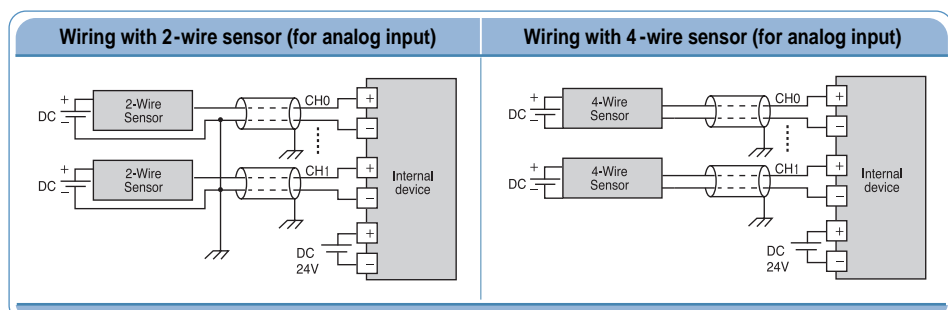


| Item | XBF-AH04A | |
|------------------------|---|---|
| | Input | Output |
| Analog channel | 2 channels | 2 channels |
| Analog range | DC 1 ~ 5V, DC 0 ~ 5V, DC 0 ~ 10V (Input resistance: 1 M Ω min.) DC 4 ~ 20mA, DC 0 ~ 20mA (Input resistance 250 Ω) | DC 1 ~ 5V, DC 0 ~ 5V, DC 0 ~ 10V (Load resistance \geq 2k Ω) DC 4 ~ 20mA, DC 0 ~ 20mA (Load resistance \leq 510 Ω) |
| Analog range selection | XG 5000 I/O parameter and External switch | |
| Digital data | Unsigned value | 0 ~ 4000 |
| | Signed value | -2000 ~ 2000 |
| | Precise value | 100 ~ 500 (DC 1 ~ 5V), 0 ~ 500 (DC 0 ~ 5V), 0 ~ 1000 (DC 0 ~ 10V) 400 ~ 2000 (DC 4 ~ 20mA), 0 ~ 2000 (DC 0 ~ 20mA) |
| | Percentile value | 0 ~ 1000 |
| Resolution(1/4000) | 1.25mV (DC 1~5V, 0~5V), 2.5mV (DC 0~10V) 5 μ A (DC 4~20mA, 0~20mA) | |
| Max. conversion speed | \pm 15V, 25mA | |
| Max. absolute output | 1ms / Channel | |
| Accuracy | \pm 0.5% or less | |
| Insulation method | Photocoupler insulation between I/O terminal and power supply | |
| Connection terminal | 11-point terminal block | |
| Occupied I/O points | Fixed type: 64 points | |
| Current consumption | DC 5V | 120mA |
| | DC 24V | 130mA |

Names and Functions

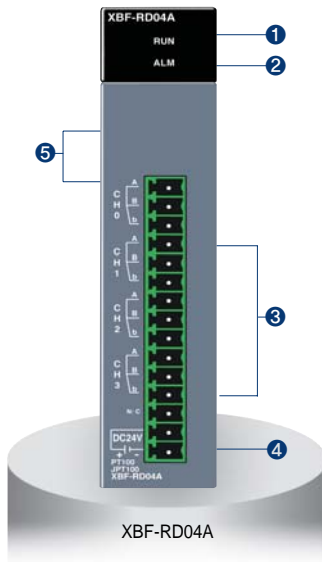
| No. | Name | Descriptions |
|-----|--------------------------------|--|
| 1 | INPUT LED | <ul style="list-style-type: none"> Indicates input condition of module LED On: Normal condition LED On and Off: Flickering LED Off: Power Off or module malfunction |
| 2 | OUTPUT LED | <ul style="list-style-type: none"> Indicates output condition of module LED On: Normal condition LED On and Off: Flickering LED Off: Power Off or module malfunction |
| 3 | Input selection S/W | ▶ Voltage / Current selection switch for input |
| 4 | Output selection S/W | ▶ Voltage / Current selection switch for output |
| 5 | Terminal block | ▶ Terminal for external input device |
| 6 | | ▶ Terminal for external output device |
| 7 | External power supply terminal | ▶ Terminal for external DC 24V input |
| 8 | Expansion connector | ▶ Terminal for expansion |

Wiring



* Use 22AWG, 2 conductor, twist shielded cable when wiring between analog module and external device.

Specification

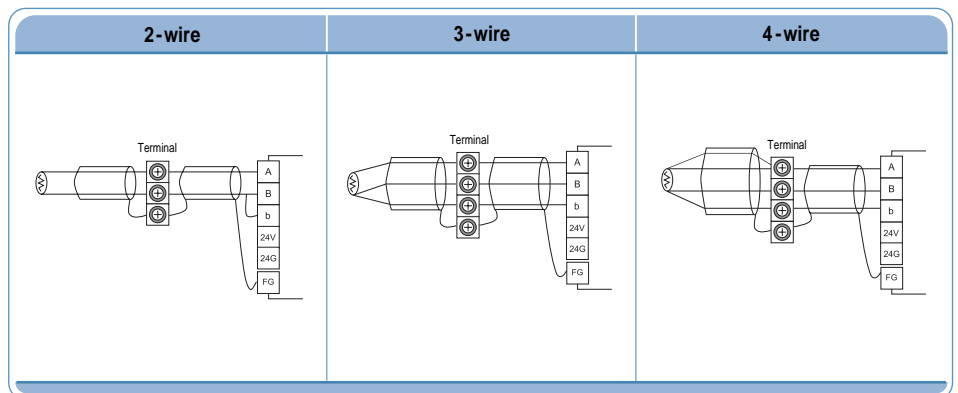


| Item | | XBF-RD04A |
|---------------------|----------|-------------------------------|
| Number of channels | | 4 |
| Sensor type | PT 100 | JIS C1804-1997 |
| | JPT 100 | JIS C1604-1981, KS C1603-1991 |
| Temperature range | PT 100 | - 200 ~ 600°C |
| | JPT 100 | - 200 ~ 600°C |
| Digital output | PT 100 | - 2000 ~ 6000 |
| | JPT 100 | - 2000 ~ 6000 |
| | Scaling | 0 ~ 4000 |
| Accuracy | 25°C | ±0.3% or less |
| | 0 ~ 55°C | ±0.5% or less |
| Conversion speed | | 40ms / Ch |
| Wiring method | | 3-wire |
| Current consumption | DC 5V | 100mA |
| | DC 24V | 100mA |

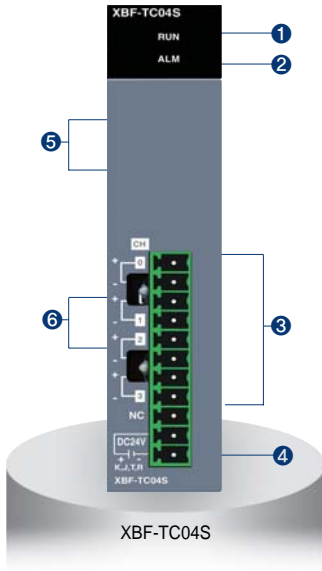
Names and Functions

| No. | Name | Descriptions |
|-----|-------------------------|--|
| 1 | RUN LED | <ul style="list-style-type: none"> ▶ Displays the hardware operation status (Fatal fault) <ul style="list-style-type: none"> • On: Normal status • Flickering: Error (0.2s flickering) • Off: hardware error or power off |
| 2 | ALM LED | <ul style="list-style-type: none"> ▶ Displays the status of the channels (Light fault) <ul style="list-style-type: none"> • Flickering: Line disconnection (1s flickering) • Off: Normal status |
| 3 | Terminal block | ▶ 3-wire RTD sensors can be connected |
| 4 | External power terminal | ▶ Supplies the external DC 24V |
| 5 | Expansion connector | ▶ Connects the module with an expansion module |

Wiring



Specification

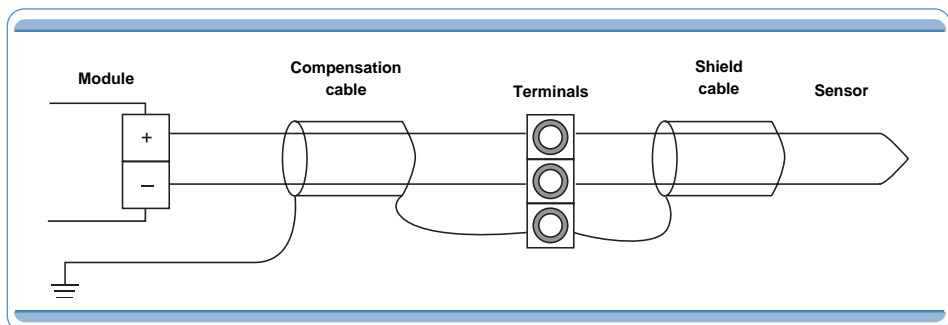


| Item | | XBF-TC04S |
|-------------------------|------------------------------------|---|
| Number of channels | | 4 |
| Input sensor type | | Thermocouple K / J / T / R JIS C1602 - 1995 |
| Temperature input range | K | - 200.0°C ~ 1300.0°C (- 328.0°F ~ 2372.0°F) |
| | J | - 200.0°C ~ 1200.0°C (- 328.0°F ~ 2192.0°F) |
| | T | - 200.0°C ~ 400.0°C (- 328.0°F ~ 752.0°F) |
| | R | 0.0°C ~ 1700.0°C (32.0°F ~ 3092.0°F) |
| Digital output | Temperature display unit | Display down to one decimal place K, J, T: 0.1°C R: 0.5°C |
| | Scaling display (Defined by user) | Unsigned scaling (0 ~ 65535) Signed scaling (-32768 ~ 32767) |
| Accuracy | Normal temperature (25°C) | ±0.2% |
| | Temperature coefficient (0 ~ 55°C) | ±100 ppm / °C |
| Max. conversion speed | | 50ms / Channel |
| Warming-up time | | 15 minutes or more |
| Terminal | | 11-point terminal |
| I/O points occupied | | 64 points |
| Current consumption | DC 5V | 100mA |
| | DC 24V | 100mA |

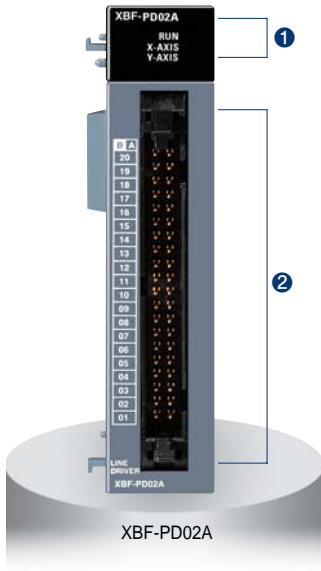
Names and Functions

| No. | Name | Descriptions |
|-----|-------------------------|--|
| 1 | RUN LED | <ul style="list-style-type: none"> ▶ Displays the hardware operation status (Fatal fault) <ul style="list-style-type: none"> • On: Normal status • Flickering: Error (0.2s flickering) • Off: hardware error or power off |
| 2 | ALM LED | <ul style="list-style-type: none"> ▶ Displays the status of the channels (Light fault) <ul style="list-style-type: none"> • Flickering: Line disconnection (1s flickering) • Off: Normal status |
| 3 | Terminal block | ▶ Terminals to connect the thermo-couple sensor |
| 4 | External power terminal | ▶ Terminals to supply the external DC 24V |
| 6 | RJC | ▶ Device for Reference Junction Compensation |

Wiring



Specification

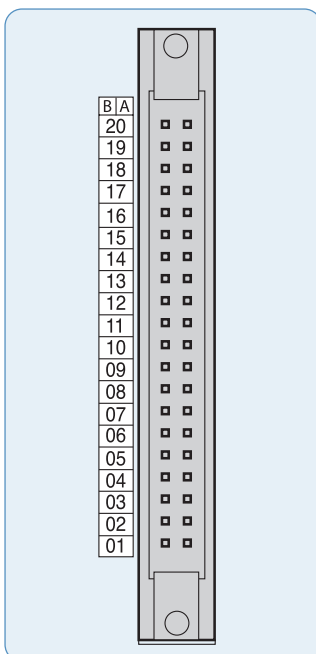


| Item | | XBF-PD02A |
|--------------------------------|--------------------------------|---|
| NO. of control axis | | 2 axis |
| Pulse output type | | Line drive |
| Max. pulse output | | 2Mpps |
| Max. connection length | | 10m |
| Control mode | | Position control, Speed control, Speed/Position switching control, Position/Speed switching control |
| Interpolation | | Linear interpolation, Circula interpolation |
| Positioning data | | 150 operation data for each axis |
| Configuration tool | | Built-in function parameter of XG5000 |
| Back-up | | Flash memory |
| Positioning | Positioning method | Absolute / Incremental method |
| | Unit | pulse |
| | Positioning range | - 2,147,483,648 ~ 2,147,483,648 |
| | Speed range | 1 ~ 2,000,000 (pulse/sec) |
| | Acceleration/Deceleration type | Trapezoidal acceleration / deceleration |
| Acceleration/Deceleration time | | 0 ~ 65,535ms, Asymmetric acceleration / deceleration |
| Max. encoder input | | 200kpps(Line drive) |
| Error/Operation | | LED |
| I/O occupied points | | Fixed type: 64 points |
| Connection terminal | | 40pin connector |
| Current consumption(mA) | | 500 |

Names and Functions

| No. | Name | Descriptions |
|-----|----------------|--|
| 1 | RUN LED | 1. RUN ▶ Displays the hardware operation status • On: Normal status • Off: Abnormal status 2. X_AXIS, Y_AXIS • On: Operation • Flickering: Error |
| 2 | Terminal block | ▶ Terminals to connect the MPG, external device and drive device. |

Terminal



| Pin number | | Signal name | |
|------------|--------|-------------|---|
| X axis | Y axis | | |
| B20 | | MPG A+ | Manual Pulse Generator / Encoder A+ input |
| A20 | | MPG A- | Manual Pulse Generator / Encoder A- input |
| B19 | | MPG B+ | Manual Pulse Generator / Encoder B+ input |
| A19 | | MPG B- | Manual Pulse Generator / Encoder B- input |
| A18 | B18 | FP+ | Forward pulse+ |
| A17 | B17 | FP- | Forward pulse- |
| A16 | B16 | RP+ | Reverse pulse+ |
| A15 | B15 | RP- | Reverse pulse- |
| A14 | B14 | OV+ | High limit |
| A13 | B13 | OV- | Low limit |
| A12 | B12 | DOG | Near point |
| A11 | B11 | NC | - |
| A10 | B10 | | |
| A09 | B09 | COM | Common |
| A08 | B08 | NC | - |
| A07 | B07 | INP | Inposition signal |
| A06 | B06 | INP COM | Inposition signal common |
| A05 | B05 | CLR | Deviation counter clear signal |
| A04 | B04 | CLR COM | Deviation counter clear signal common |
| A03 | B03 | HOME +5V | Zero signal (DC 5V) |
| A02 | B02 | HOME COM | Zero signal Common |
| A01 | B01 | NC | - |

Specification



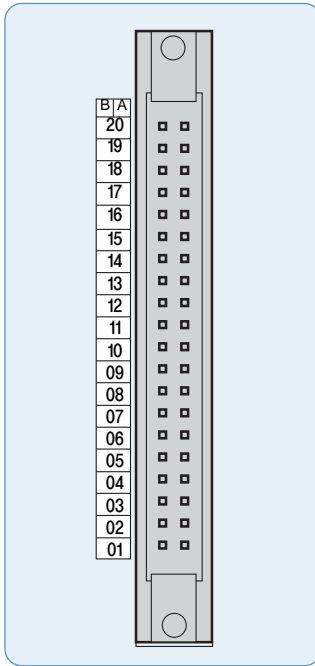
XBF-H002A
XBF-HD02A

| Item | | Specification | |
|---------------------------|---------------|--|---|
| | | XBF-H002A | XGF-HD02A |
| Count input signal | Signal | A-phase, B-phase | |
| | Input type | Voltage input (Open Collector) | Differential input (Line Drive): |
| | Signal level | DC 5/12/24V | RS-422A Line Drive/HTL LEVEL Line Drive |
| Maximum coefficient speed | | 200kpps | 500kpps (HTL input : 250kpps) |
| Number of channels | | 2 Channels | |
| Coefficient range | | Signed 32-bit (-2,147,483,648 ~ 2,147,483,647) | |
| Count mode | | Linear Count (When 32-bit range exceeded, Carry/Borrow occurs, The count value stopped) | |
| | | Ring Count (Repeated count within setting range) | |
| Input pulse mode | | 1-phase input | |
| | | 2-phase input | |
| | | CW/CCW input | |
| Up/down setting | 1-phase input | Increasing / Decreasing operation setting by B-phase input Increasing / Decreasing operation setting by program | |
| | 2-phase input | Automatic setting by difference in phase | |
| | CW/CCW | A-phase input: Increasing operation B-phase input: Decreasing operation | |
| Multiplication function | 1-phase input | 1/2 multiplication | |
| | 2-phase input | 1/2/4 multiplication | |
| | CW/CCW | 1- multiplication | |
| Control input | Signal | Preset instruction input, Auxiliary mode instruction input | |
| | Signal level | DC 5V/12V/24V (by terminal selection) input type | |
| | Signal type | Voltage | |
| External output | Output points | 2-point/channel (for each channel): Terminal output available | |
| | Type | Select single-compared (>, >=, =, =<, <) or section compared output (Included or excluded) | |
| | Output type | Open collector output (Sink) | |
| Operation status display | Input signal | A-phase input, B-phase input, Preset instruction input, Auxiliary mode instruction input | |
| | Output signal | External output 0, External output 1 | |
| | Busy status | Module Ready | |
| Count enable | | To be set through program (Count available only in enable status) | |
| Preset function | | To be set through terminal or program | |
| Auxiliary mode function | | Count clear, Count latch, Section count(time setting value: 0~60000ms), Measurement of input frequency(for respective input phase), Measurement of counts per hour(time setting value: 0~60000ms) Count prohibited function | |
| Terminal | | 40 pin connector | |
| I/O occupied points | | Fixed point: 64 | |
| Current consumption(mA) | | 200 | 260 |
| Weight | | 90g | |

Names and Functions

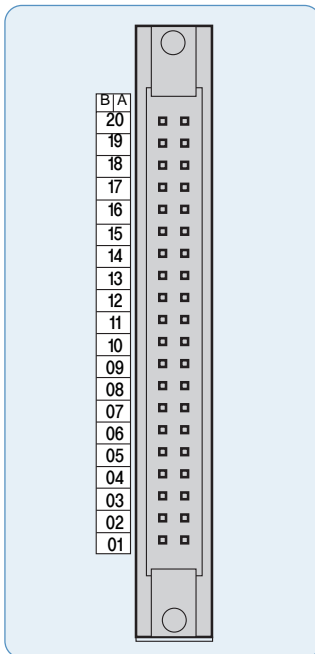
| No. | Name | Descriptions |
|-----|-----------------------------------|---|
| ① | Run LED (ØA, ØB, P, G, 00, 01) | <ul style="list-style-type: none"> ▶ On: Relevant channel pulse inputting, Preset/Auxiliary function signal inputting, Outputting ▶ Off: No input of relevant channel pulse, No input of preset/ Auxiliary function signal, No output of comparison |
| | Ready signal (RDY) | <ul style="list-style-type: none"> ▶ On: HSC module normal ▶ Off: Power off or CPU module reset, HSC module error • Flicker: HSC module error |
| ② | External wiring connector | Connector to connect with external I/O |

Terminal (XBF-H002A)



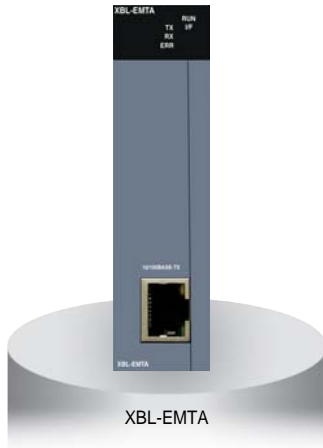
| Pin arrangement | | Signal name | |
|-----------------|-------|-------------|------------------------------|
| B ch1 | A ch0 | | |
| 20 | 20 | A 24V | A phase pulse input 24V |
| 19 | 19 | A 12V | A phase pulse input 12V |
| 18 | 18 | A 5V | A phase pulse input 5V |
| 17 | 17 | A COM | A phase pulse input COM |
| 16 | 16 | B 24V | B phase pulse input 24V |
| 15 | 15 | B 12V | B phase pulse input 12V |
| 14 | 14 | B 5V | B phase pulse input 5V |
| 13 | 13 | B COM | B phase pulse input COM |
| 12 | 12 | P 24V | Preset input 24V |
| 11 | 11 | P 12V | Preset input 12V |
| 10 | 10 | P 5V | Preset input 5V |
| 09 | 09 | P COM | Preset input COM |
| 08 | 08 | G 24V | Auxiliary function input 24V |
| 07 | 07 | G 12V | Auxiliary function input 12V |
| 06 | 06 | G 5V | Auxiliary function input 5V |
| 05 | 05 | G COM | Auxiliary function input COM |
| 04 | 04 | OUT0 | Comparison output 0 |
| 03 | 03 | OUT1 | Comparison output 1 |
| 02 | 02 | 24V | External power input 24V |
| 01 | 01 | 24G | External power input GND |

Terminal (XBF-HD02A)



| Pin arrangement | | Signal name | |
|-----------------|-------|-------------|------------------------------------|
| B ch1 | A ch0 | | |
| 20 | 20 | A I + | A I phase differentiation input + |
| 19 | 19 | A I - | A I phase differentiation input - |
| 18 | 18 | A II + | A II phase differentiation input + |
| 17 | 17 | A II - | A II phase differentiation input - |
| 16 | 16 | B I + | B I phase differentiation input + |
| 15 | 15 | B I - | B I phase differentiation input - |
| 14 | 14 | B II + | B II phase differentiation input + |
| 13 | 13 | B II - | B II phase differentiation input - |
| 12 | 12 | P 24V | Preset input 24V |
| 11 | 11 | P 12V | Preset input 12V |
| 10 | 10 | P 5V | Preset input 5V |
| 09 | 09 | P COM | Preset input COM |
| 08 | 08 | G 24V | Auxiliary function input 24V |
| 07 | 07 | G 12V | Auxiliary function input 12V |
| 06 | 06 | G 5V | Auxiliary function input 5V |
| 05 | 05 | G COM | Auxiliary function input COM |
| 04 | 04 | OUT0 | Comparison output 0 |
| 03 | 03 | OUT1 | Comparison output 1 |
| 02 | 02 | 24V | External power input 24V |
| 01 | 01 | 24G | External power input GND |

Ethernet (XBL-EMTA)



| Item | XBL-EMTA | |
|---|--|--|
| Communication spec. | 10 / 100 Base-TX | |
| Protocol | TCP / IP, UDP / IP | |
| Service | With LS PLCs | High-speed link, P2P service |
| | With other devices | P2P service |
| | Application | XGT Dedicated protocol Server/Client, Modbus/TCP Server/Client |
| HS link sending / Receiving data | 200words / block (Max. 64blocks) | |
| No. of channel Connectable to upper stage | 6 channels | |
| Service | Communication with PC (HMI) and external devices, High-speed communication among LSIS PLCs | |
| Media | UTP / STP Category 5 | |
| Current consumption(mA) | 300 | |

RS-232C, RS-422 / 485



| Item | Built-in RS-232C | XBL-C21A | Built-in RS-485 | XBL-C41A |
|---------------------|--|---|-----------------|------------------|
| Interface | RS-232C 1ch | RS-232C 1ch | RS-485 1ch | RS-422 / 485 1ch |
| MODEM function | Remote communication via the external MODEM (XBL-C21A Only) | | | |
| Mode | Dedicated mode | 1:1 or 1:N via the dedicated protocol | | |
| | XG5000 mode | Program download, Upload and control via the remote control | | |
| | P2P mode | Communication defined by the protocol using XG-PD XGT / Modbus master | | |
| Operation mode | Server (slave) | XGT / Modbus server, User-defined communication | | |
| | Client (master) | XGT / Modbus P2P Master, User-defined communication | | |
| Data format | Start Bit | 1 | | |
| | Data Bit | 7 or 8 | | |
| | Stop Bit | 1 or 2 | | |
| | Parity | Even / Odd / None | | |
| | Setting | Setting by XG-PD parameter | | |
| Synchronous | Asynchronous | | | |
| Speed (bps) | 1,200 / 2,400 / 4,800 / 9,600 / 19,200 / 38,400 / 57,600 / 115,200 bps | | | |
| Station number | Setting by XG-PD, Max. 32 stations | | | |
| Distance | RS-232C: Max.15m (Expansion by MODEM), RS-422/485: Max 500m | | | |
| MODEM communication | - | Support | - | - |
| Network | 1 : 1 | | 1 : N | |
| Diagnostic | Via LED and XG-PD | | | |
| Max. expansion | Built-in | 2 stages | Built-in | 2 stages |

RAPINet (XBL-EIMT)



| Item | | XBL- EIMT |
|-----------------------|---------------------------------------|--|
| Transmission standard | Transmission speed | 100Mbps |
| | Transmission method | Base band |
| | Max. extension distance between nodes | 100m |
| | Max. number of nodes | 64 |
| | Max. protocol size | 1,516 bytes |
| | Access method to service zone | CSMA / CD |
| | Frame error check | $CRC\ 32 = X^{32} + X^{26} + X^{23} + \dots + X^2 + X + 1$ |
| | Normal communication guarantee | Max. 1,200 (packet/sec) |
| Basic standard | Dimension (mm) | 90(H) x 27(W) x 60(D) |
| | Current consumption (mA) | 290 |
| | Weight (g) | 102 |

Ethernet/IP (XBL-EIPT)



| Item | | XBL- EIPT |
|---|---------------------------------------|--|
| Transmission standard | Transmission speed | 100Mbps |
| | Transmission method | Base band |
| | Max. extension distance between nodes | 100m |
| | Access method to service zone | CSMA / CD |
| | Frame error check | $CRC\ 32 = X^{32} + X^{26} + X^{23} + \dots + X^2 + X + 1$ |
| Topology | | Line, Star |
| The number of connections (Client / Server) | TCP | 16 / 32 |
| | CIP (IO communication) | 32 / 64 |
| Number of Max. services (P2P) | | 2 |
| Number of Max. installations | | 2 |
| Max. setting data size per block | Periodic client | 500 bytes |
| | Aperiodic client | 512 bytes |
| Basic standard | Dimension (mm) | 90(H) x 27(W) x 60(D) |
| | Current consumption (mA) | 290 |
| | Weight (g) | 102 |

Profibus-DP Module (XBL-PMEC)



| Item | XBL-PMEC | |
|---------------------------------------|---|--------------------------|
| Module Type | Master | |
| Network Type | Profibus-DP | |
| Standard | EN50170/DIN19245 | |
| Interface | RS-485 | |
| Transmission Route | Bus | |
| Modulation Type | NRZ(Non Return to Zero) | |
| MAC | Token Passing | |
| Max. Distance & Transmission Speed | Distance(m) | Transmission Speed(bps) |
| | 1,200 | 9.6k/19.2k/93.75k/187.5k |
| | 400 | 500k |
| | 200 | 1.5M |
| | 100 | 3M/6M/12M |
| Max. number of stations per network | 64 | |
| Max. number of stations per segment | 32(including master & repeater) | |
| Cable used | Electric-twist shielded pair cable | |
| Max. input size per slave | 244byte | |
| Max. output size per slave | 244byte | |
| Max. input size of master | 15,616 bytes(64 station x 244bytes/station) | |
| Max. output size of master | 15,616 bytes(64 station x 244bytes/station) | |
| Communication Transmission cycle | 10/20/50/100/200/500ms, 1/5/10s | |
| Communication Reception cycle | Main unit scan x 2 + Data reception time ² + Communication module scan | |
| Max. number of stations installations | 2 | |
| Communication Parameters to set | XG-PD, PROFICON | |
| Internal-consumed current(mA) | 300 | |
| Weight(g) | 86 (including connector: 122) | |

CANopen Module (XBL-CMEA, XBL-CSEA)



| Item | XBL-CMEA | XBL-CSEA |
|---------------------------|--|--------------------|
| Transmission Speed | 10, 20, 50, 100, 125, 250, 500, 800, 1000Kbps | |
| Num. of port | 1 | |
| Max. node | 32 | - |
| PDO | TPDO | 64 |
| | RPDO | 64 |
| Max. size of data per PDO | 8Byte | |
| PDO transfer type | Synchronous acyclic(0), synchronous cyclic(1~240), RTR(252~253), time-event trigger(254~255) | |
| Support SDO | Client 127/Server 1 | Server 1 |
| SDO transfer type | Expedited, Normal | |
| Access method | CSMA/BA(Carrier Sense Multiple Access/Bitwise Arbitration) | |
| Topology | BUS | |
| SYNC Service | Producer Cycle : 20~5000ms | Consumer |
| NMT. eode control | NMT master | NMT slave |
| Emergency | Save the last five per slave | Save up to last 10 |
| NMT. error control | Heartbeat, Life guarding | Heartbeat |
| Network scan | ○ | - |
| Size(mm) | 90(H)X27(W)X60(D) | |
| Current consumption (mA) | 211 | 202 |
| Weight(g) | 78 | |

Expansion | Option modules / Smart link

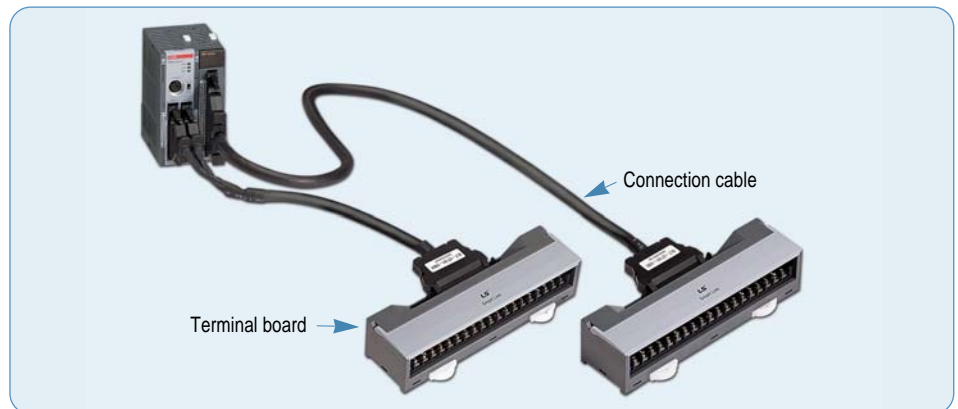
Option modules



Option modules

| | |
|------------------|---|
| XBO-AD02A | Voltage/Current, Input 2 chs |
| XBO-DA02A | Voltage/Current, Output 2 chs |
| XBO-AH02A | Voltage/Current, Input 1 ch Voltage/Current, Output 1 ch |
| XBO-TC02A | TC (Thermocouple), Input 2 chs |
| XBO-RTCA | RTC (Real Time Clock) |
| XBO-DC04A | DC 24V, Input 4 points |
| XBO-TN04A | Transistor (Sink), Output 4 point |
| XBO-RD01A | RTD (Resistance Temperature Detect, Input 1 ch) |

Smart link

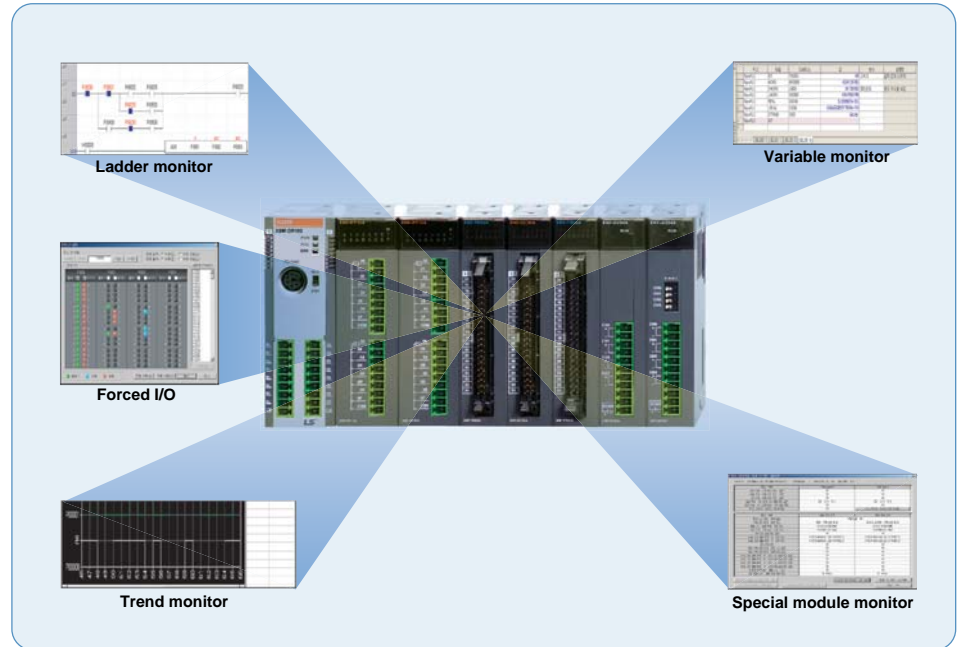


| Terminal board | Connection cable | XBM-DN16S XBM-DN32S | XBE-DC32A | XBE-TN32A | XBE-TP32A | Cable length |
|--|--------------------|------------------------|-----------|-----------|-----------|--------------|
| TG7-1H40S (Terminal board) | R40H/20HH-05S-XBM3 | ● | - | - | - | 0.5m |
| | R40H/20HH-10S-XBM3 | ● | - | - | - | 1.0m |
| TG7-1H40CA (Terminal board, Common) | C40HH-05SB-XBI | - | ● | ● | ● | 0.5m |
| | C40HH-10SB-XBI | - | ● | ● | ● | 1.0m |
| | C40HH-15SB-XBI | - | ● | ● | ● | 1.5m |
| | C40HH-20SB-XBI | - | ● | ● | ● | 2.0m |
| R32C-NS5A-40P (Relay board : sink) | C40HH-30SB-XBI | - | ● | ● | ● | 3.0m |
| | C40HH-05SB-XBI | - | - | ● | - | 0.5m |
| | C40HH-10SB-XBI | - | - | ● | - | 1.0m |
| | C40HH-15SB-XBI | - | - | ● | - | 1.5m |
| R32C-PS5A-40P (Relay board : source) | C40HH-20SB-XBI | - | - | ● | - | 2.0m |
| | C40HH-30SB-XBI | - | - | ● | - | 3.0m |
| | C40HH-05PH-XBP | - | - | - | ● | 0.5m |
| | C40HH-15PH-XBP | - | - | - | ● | 1.5m |
| | C40HH-20PH-XBP | - | - | - | ● | 2.0m |

XG5000

(Programming software)

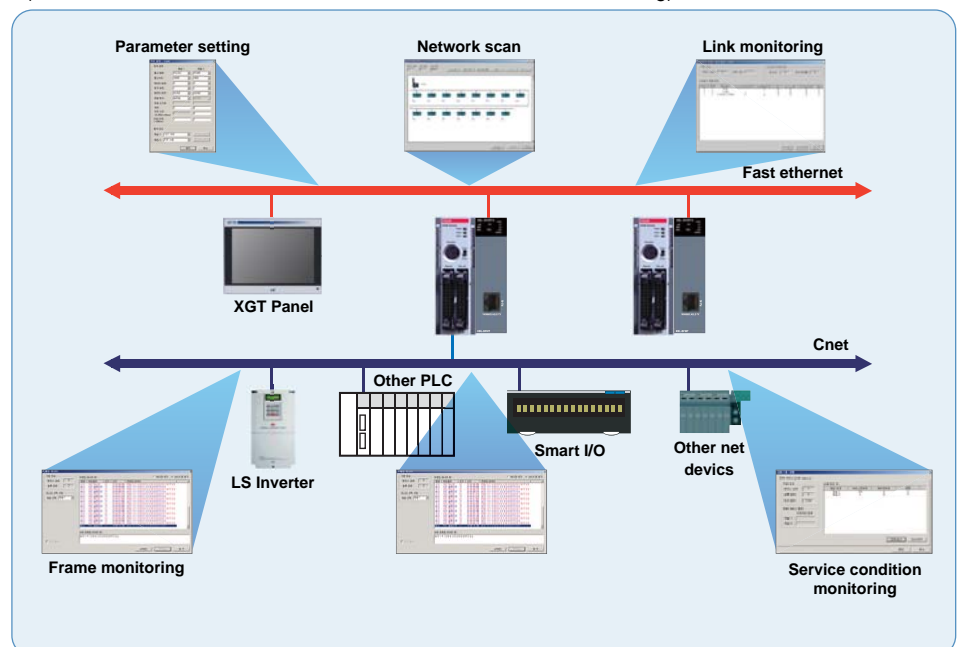
- Program editing & Engineering software
- Windows-based easy operation
- Multi-PLC, Multi-programming support
- Various monitoring and diagnosis functions
- Vista 2000, XP (Limited use in Windows 98, ME)



XG-PD

(Network setting software)

- Convenient network setting
- Extended monitoring function for network system and communication modules
- Fast interface with CPU by effective network management
- Various built-in diagnosis, functions
(CPU condition, Link condition, Service condition, Frame monitoring)



Product list

Product list

| Item | Model | Specifications |
|--|----------------|---|
| Block type unit (Economic type) | XBC/XEC-DR10E | AC 100 - 240V, 6 points DC input, 4 point Relay output |
| | XBC/XEC-DR14E | AC 100 - 240V, 8 points DC input, 6 point Relay output |
| | XBC/XEC-DR20E | AC 100 - 240V, 12 points DC input, 8 point Relay output |
| | XBC/XEC-DR30E | AC 100 - 240V, 18 points DC input, 12 point Relay output |
| | XBC/XEC-DN10E | AC 100 - 240V, 6 points DC input, 4 point transistor output (Sink) |
| | XBC/XEC-DN14E | AC 100 - 240V, 8 points DC input, 6 point transistor output (Sink) |
| | XBC/XEC-DN20E | AC 100 - 240V, 12 points DC input, 8 point transistor output (Sink) |
| | XBC/XEC-DN30E | AC 100 - 240V, 18 points DC input, 12 point transistor output (Sink) |
| | XBC/XEC-DP10E | AC 100 - 240V, 6 points DC input, 4 point transistor output (Source) |
| | XBC/XEC-DP14E | AC 100 - 240V, 8 points DC input, 6 point transistor output (Source) |
| | XBC/XEC-DP20E | AC 100 - 240V, 12 points DC input, 8 point transistor output (Source) |
| | XBC/XEC-DP30E | AC 100 - 240V, 18 points DC input, 12 point transistor output (Source) |
| Block type unit (High performance type) | XBC/XEC-DR32H | AC 100 - 240V, DC24 input 16 points, relay output 16 points |
| | XBC/XEC-DR64H | AC 100 - 240V, DC24 input 32 points, relay output 32 points |
| | XBC/XEC-DN32H | AC 100 - 240V, DC24 input 16 points, transistor output 16 points (Sink) |
| | XBC/XEC-DN64H | AC 100 - 240V, DC24 input 32 points, transistor output 32 points (Sink) |
| | XEC-DP32H | AC 100 - 240V, DC24 input 16 points, transistor output 16 points (Source) |
| | XEC-DP64H | AC 100 - 240V, DC24 input 32 points, transistor output 32 points (Source) |
| | XBC-DR32H/DC | DC 24V, DC24 input 16 points, relay output 16 points |
| | XBC-DR64H/DC | DC 24V, DC24 input 32 points, relay output 32 points |
| | XBC-DN32H/DC | DC 24V, DC24 input 16 points, transistor output 16 points (Sink) |
| | XBC-DN64H/DC | DC 24V, DC24 input 32 points, transistor output 32 points (Sink) |
| | XEC-DR32H/D1 | DC 12/24V, DC12/24 input 16 points, relay output 16 points |
| | XEC-DR64H/D1 | DC 12/24V, DC12/24 input 32 points, relay output 32 points |
| Block type unit (Standard type) | XBC/XEC-DR20SU | AC 100 - 240, DC24V input 12 points, relay output 8 points |
| | XBC/XEC-DR30SU | AC 100 - 240, DC24V input 18 points, relay output 12 points |
| | XBC/XEC-DR40SU | AC 100 - 240, DC24V input 24 points, relay output 16 points |
| | XBC/XEC-DR60SU | AC 100 - 240, DC24V input 36 points, relay output 24 points |
| | XBC/XEC-DN20SU | AC 100 - 240, DC24V input 12 points, transistor output 8 points (Sink) |
| | XBC/XEC-DN30SU | AC 100 - 240, DC24V input 18 points, transistor output 12 points (Sink) |
| | XBC/XEC-DN40SU | AC 100 - 240, DC24V input 24 points, transistor output 16 points (Sink) |
| | XBC/XEC-DN60SU | AC 100 - 240, DC24V input 36 points, transistor output 24 points (Sink) |
| | XBC/XEC-DP20SU | AC 100 - 240, DC24V input 12 points, transistor output 8 points (Source) |
| | XBC/XEC-DP30SU | AC 100 - 240, DC24V input 18 points, transistor output 12 points (Source) |
| | XBC/XEC-DP40SU | AC 100 - 240, DC24V input 24 points, transistor output 16 points (Source) |
| | XBC/XEC-DP60SU | AC 100 - 240, DC24V input 36 points, transistor output 24 points (Source) |
| Modular type unit | XBM-DR16S | DC 24V, 8-point DC 24V input, 8-point relay output |
| | XBM-DN16S | DC 24V, 8-point DC 24V input, 8-point TR output |
| | XBM-DN32S | DC 24V, 16-point DC 24V input, 16-point TR output |

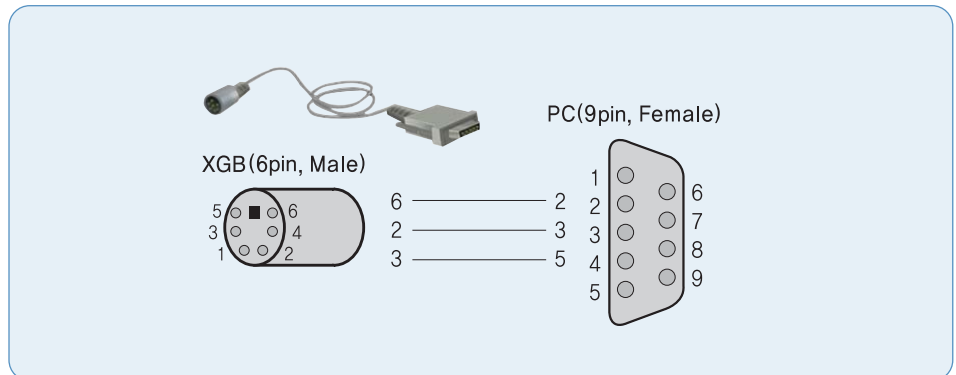
Product list

| Item | Model | Specifications |
|----------------------|----------------|---|
| Expansion I/O module | XBE-DC08A | 8-point DC 24V input |
| | XBE-DC16A | 16-point DC 24V input |
| | XBE-DC32A | 32-point DC 24V input |
| | XBE-RY08A | 8-point relay output |
| | XBE-RY16A | 16-point relay output |
| | XBE-TN08A | 8-point Transistor (sink) output |
| | XBE-TN16A | 16-point Transistor (sink) output |
| | XBE-TN32A | 32-point Transistor (sink) output |
| | XBE-TP08A | 8-point Transistor (source) output |
| | XBE-TP16A | 16-point Transistor (source) output |
| | XBE-TP32A | 32-point Transistor (source) output |
| | XBE-DR16A | 8-point DC 24V input, 8-point relay output |
| | Special module | XBF-AD04A |
| XBF-AD04C | | 4-channel analog input(current/ voltage, resolution : 1/16000) |
| XBF-AH04A | | 2-channel analog input (current/voltage)/2-channel analog output (current/ voltage) |
| XBF-DV04A | | 4-channel analog output (voltage) |
| XBF-DV04C | | 4-channel analog input(voltage, resolution : 1/16000) |
| XBF-DC04A | | 4-channel analog output (current) |
| XBF-DC04C | | 4-channel analog input(current, resolution : 1/16000) |
| Special module | XBF-RD04A | 4-channel RTD input |
| | XBF-TC04S | 4-channel Thermocouple input |
| | XBF-PD2A | Line drive 2 axis |
| | XBF-AD08A | 8-channel analog input(Current/voltage) |
| | XBF-HO02A | 2-channel High-speed counter input(Open collector) |
| | XBF-HD02A | 2-channel High-speed counter input(Line drive) |
| Communication module | XBL-C41A | Cnet (RS-422/485), 1ch |
| | XBL-C21A | Cnet (RS-232C), 1ch |
| | XBL-EMTA | Fast Ethernet (100Mbps), 1ch |
| | XBL-EIMT | RAPIDnet, 2 ch |
| | XBL-EIPT | Ethernet/IP, 2 ch |
| | XBL-EIMF | RAPIDnet I/F, Max. 2km(Fiber 2 ch.), 100Mbps |
| | XBL-EIMH | RAPIDnet I/F(Twisted pair 1ch, Fiber 2 ch.), 100Mbps |
| | XBL-PMEC | Profibus-DP, Master, RS-485 |
| | XBL-CMEA | CANopen(10, 20, 50, 100, 125, 250, 500, 800, 1000Kbps, Num of PDO : 32) |
| | XBL-CSEA | CANopen(10, 20, 50, 100, 125, 250, 500, 800, 1000Kbps, Num of PDO : 64) |
| Loader cable | PMC-310S | Connection cable (PC to PLC), 9pin(PC)-6pin(PLC) |
| | USB-301A | Connection cable (PC to PLC), USB |
| Memory module | XBO-M2MB | Memory |
| Option modules | XBO-AD02A | Voltage/Current, Input 2 ch |
| | XBO-DA02A | Voltage/Current, Output 2 ch |
| | XBO-AH02A | Voltage/Current, Input 1ch / Voltage/Current, Output 1ch |
| | XBO-TC02A | TC (Thermo couple), Input 2 ch |
| | XBO-RTCA | RTC (Real time clock), Battery |
| | XBO-DC04A | DC 24V, Input 4 points |
| | XBO-TN04A | TR (Sink), Output 4 points |
| | XBO-RD01A | RTD (Resistance temperature detector), Input 1ch |

Product list

| Terminal board | Connection cable | XBM-DN16S XBM-DN32S | XBE-DC32A | XBE-TN32A | XBE-TP32A | Cable length |
|--|--------------------|------------------------|-----------|-----------|-----------|--------------|
| TG7-1H40S (Terminal board) | R40H/20HH-05S-XBM3 | ● | - | - | - | 0.5m |
| | R40H/20HH-10S-XBM3 | ● | - | - | - | 1.0m |
| TG7-1H40CA (Terminal board, Common) | C40HH-05SB-XBI | - | ● | ● | ● | 0.5m |
| | C40HH-10SB-XBI | - | ● | ● | ● | 1.0m |
| | C40HH-15SB-XBI | - | ● | ● | ● | 1.5m |
| | C40HH-20SB-XBI | - | ● | ● | ● | 2.0m |
| R32C-NS5A-40P (Relay board: sink) | C40HH-05SB-XBI | - | - | ● | - | 0.5m |
| | C40HH-10SB-XBI | - | - | ● | - | 1.0m |
| | C40HH-15SB-XBI | - | - | ● | - | 1.5m |
| | C40HH-20SB-XBI | - | - | ● | - | 2.0m |
| R32C-PS5A-40P (Relay board: source) | C40HH-05PH-XBP | - | - | - | ● | 0.5m |
| | C40HH-15PH-XBP | - | - | - | ● | 1.5m |
| | C40HH-20PH-XBP | - | - | - | ● | 2.0m |

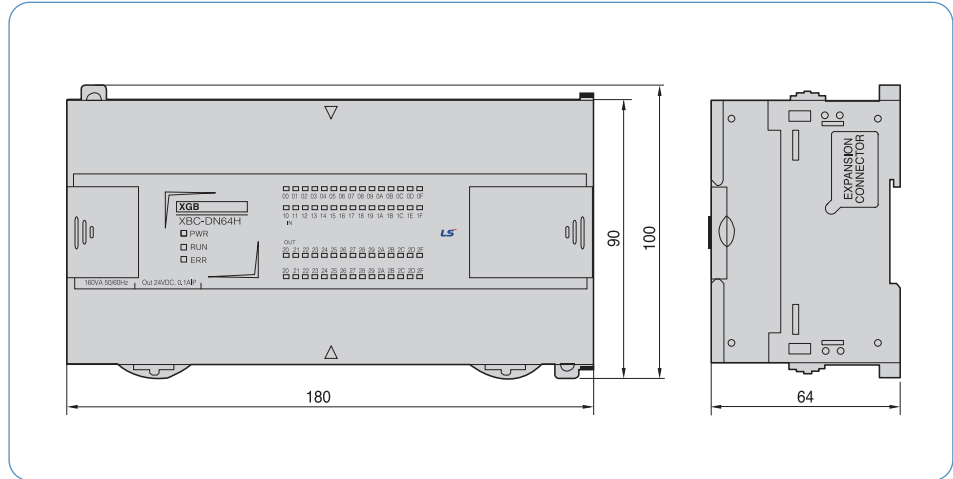
Download cable diagram



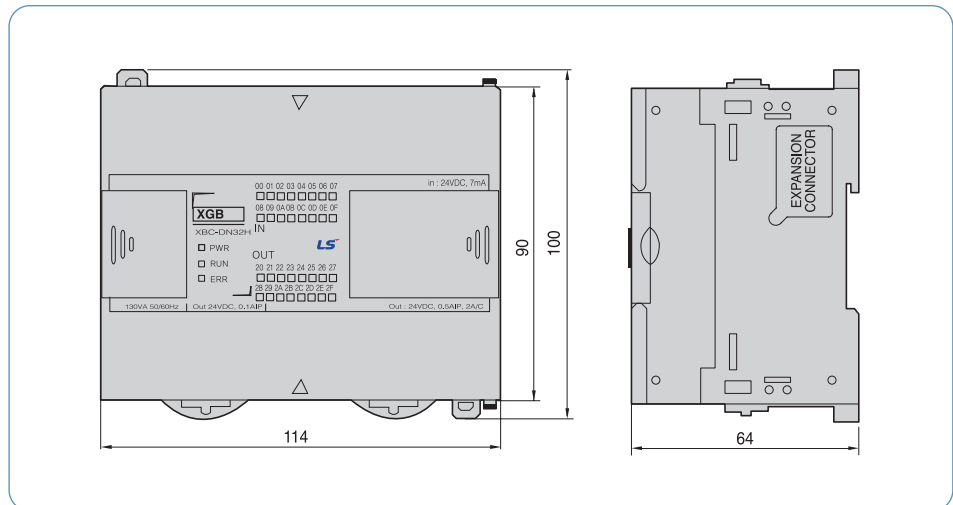
XGB Dimension

Block type unit

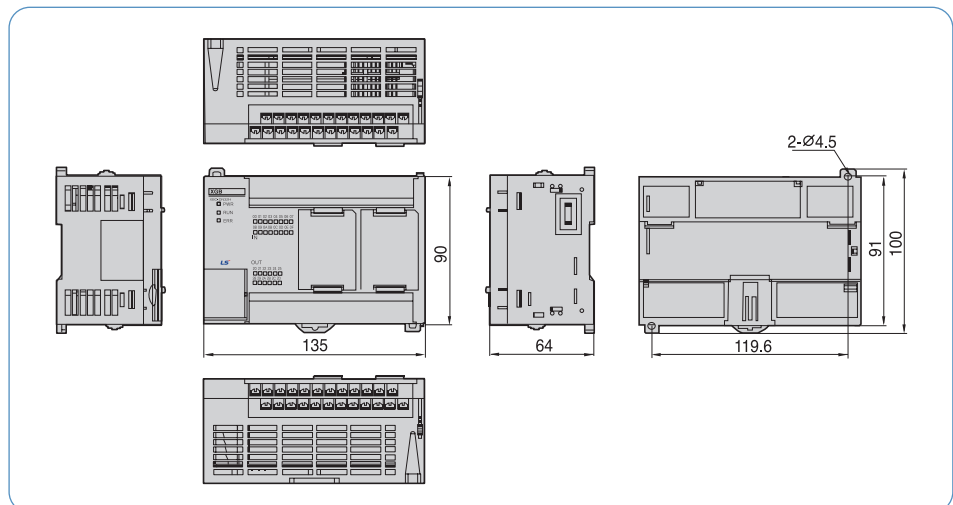
XBC/XEC-H type



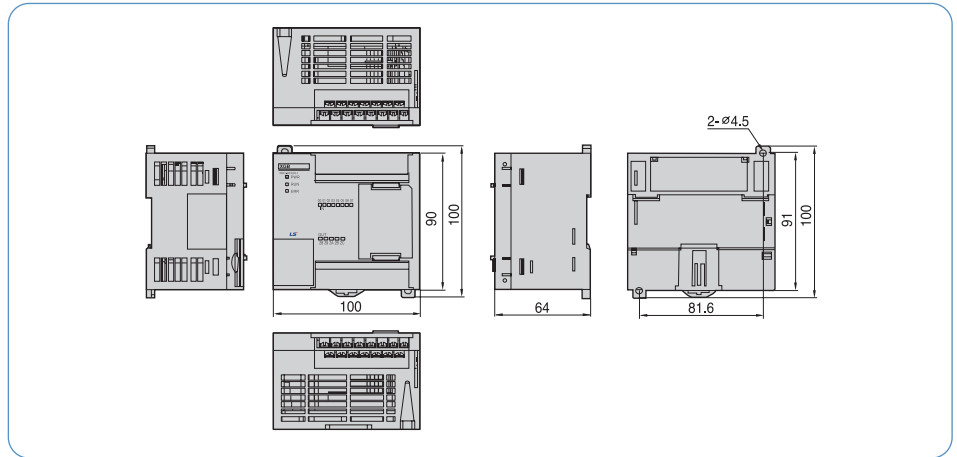
XBC/XEC-H type



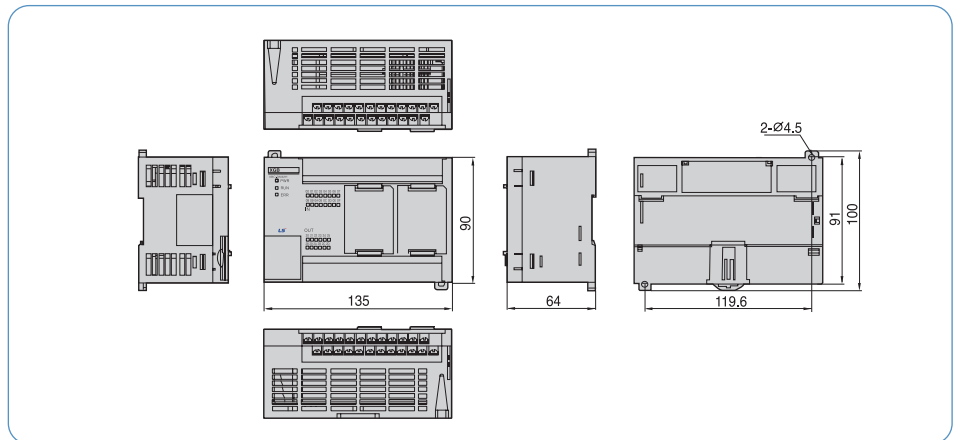
XBC/XEC-SU type



XBC-E type

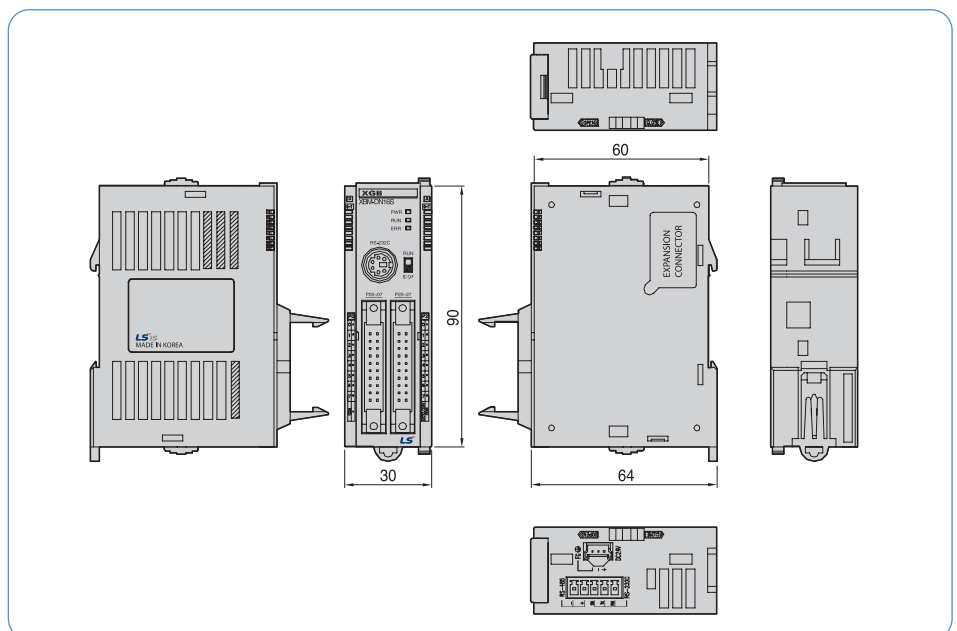


XBC-E type

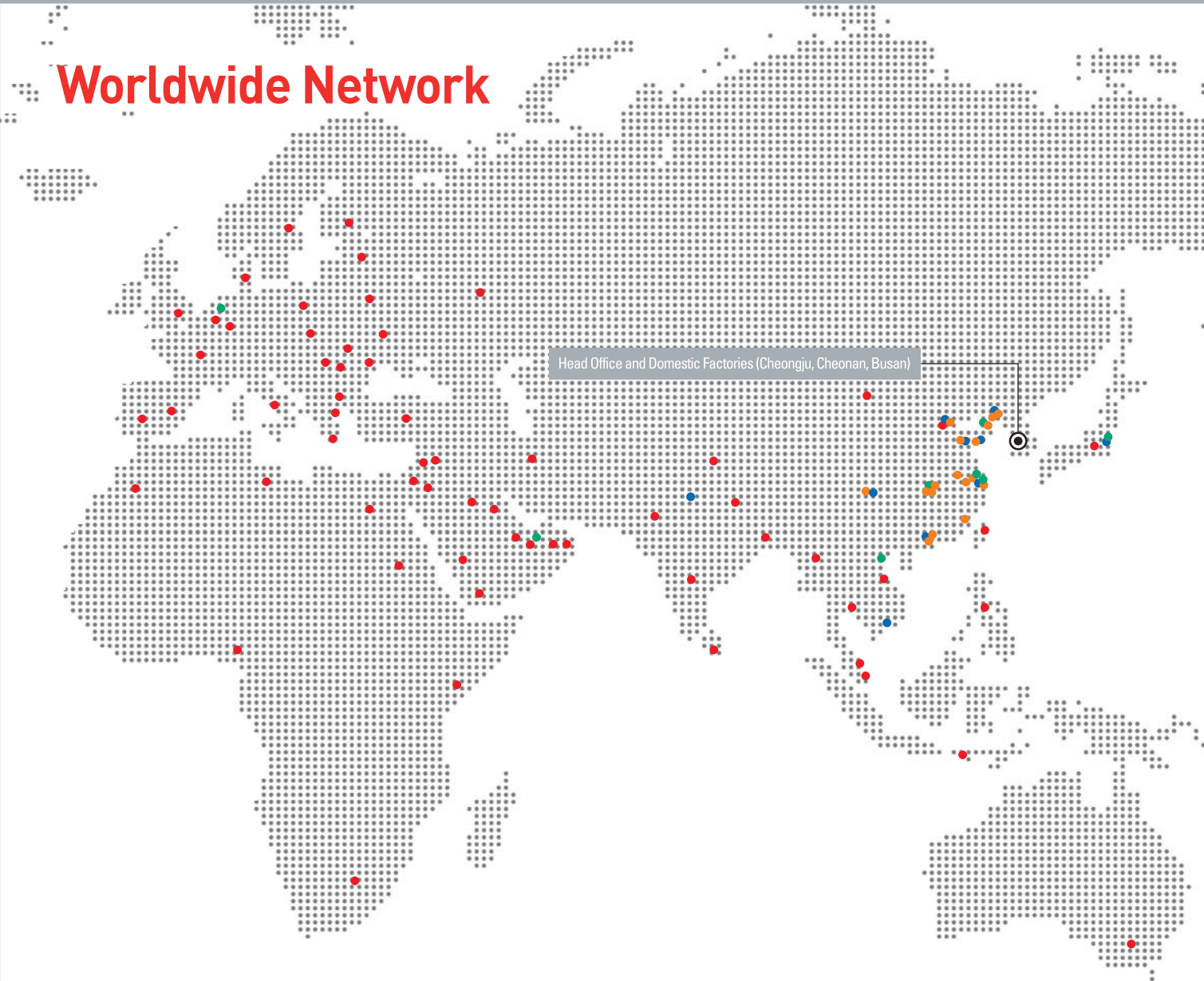


Modular type unit

XBM-S type



Worldwide Network



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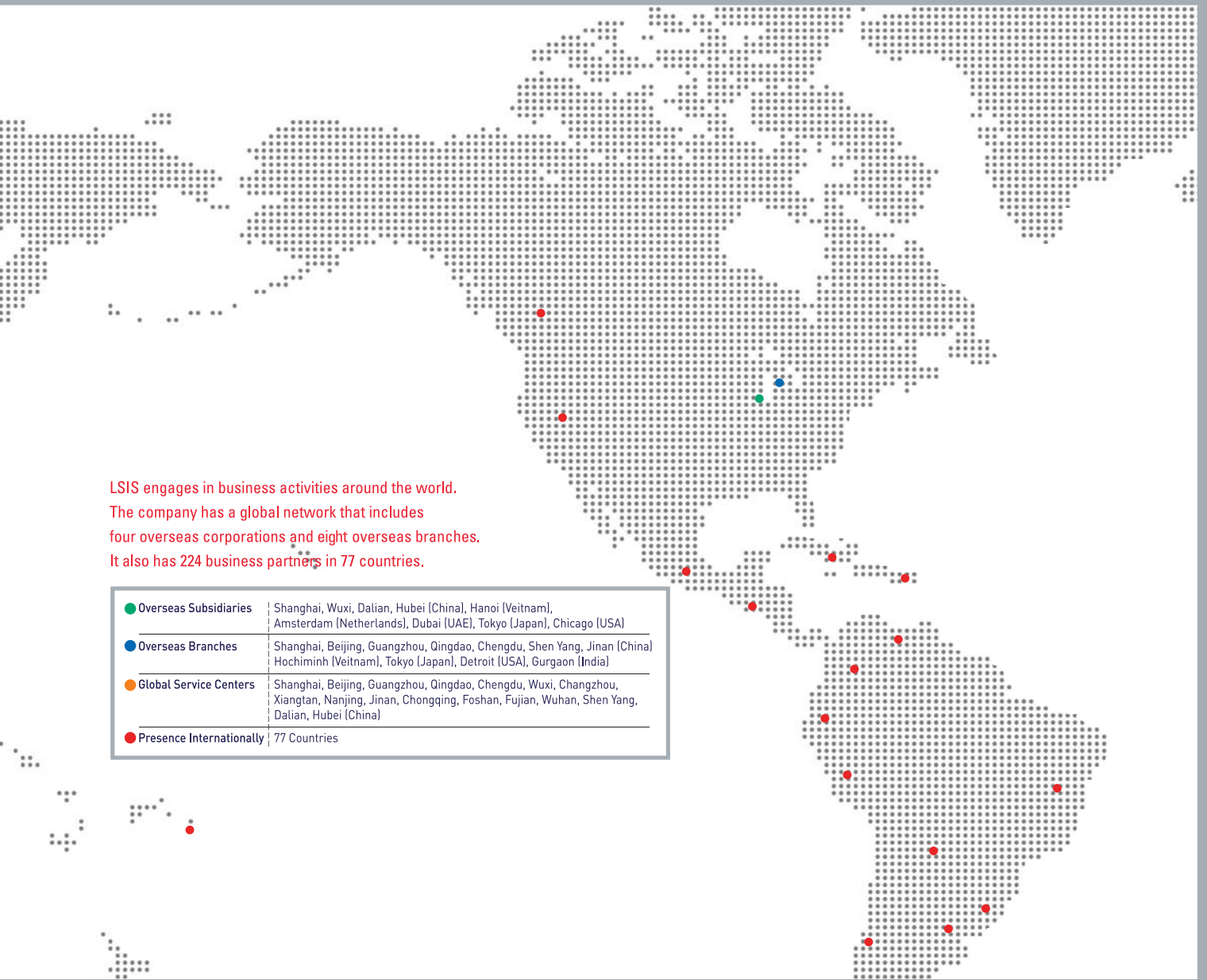
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- Contact the nearest authorized service facility for examination, repair, or adjustment.
- Please contact qualified service technician when you need maintenance.
Do not disassemble or repair by yourself !
- Any maintenance and inspection shall be performed by the personnel having expertise concerned.

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