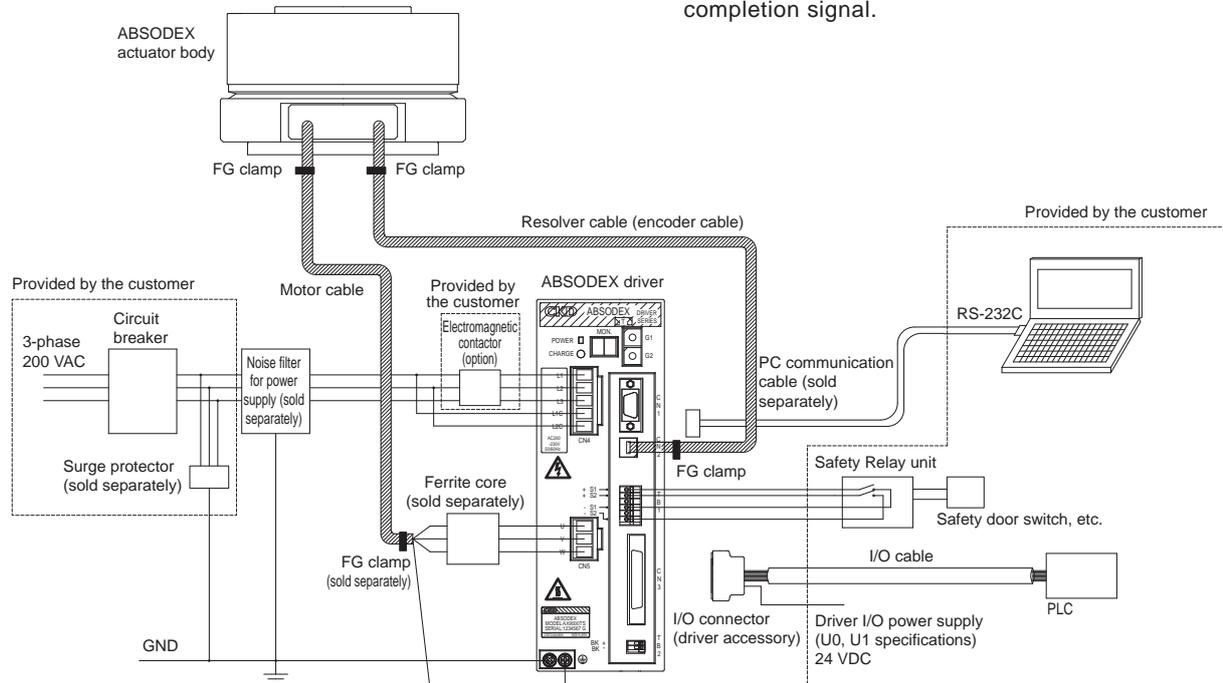## System configuration

AX1000T/2000T/4000T

● Basic setting items
1. Input a program from a PC or the dialog terminal.
2. Set necessary parameters in the same way.
3. Set the appropriate gain.

● Basic driving methods
1. Select a program to execute from PLC.
2. Input the start signal from the PLC.
3. After indexing is started, the driver outputs a positioning completion signal.

To comply with the CE marking, the parts shown below or overcurrent/short circuit protection Component is required. In addition, the driver must be installed within the switchboard. For details on the selection, installation and wiring methods of these components, refer to the instruction manual or technical data (ABSODEX AX series TS/TH type technical data).

Part name	Application	Model No.	Manufacturer
Noise filter	Three-phase/single-phase 200 to 230 VAC	3SUP-EF10-ER-6	Okaya Electric Industries Co., Ltd.
	Single-phase 100 to 115 VAC	NF2015A-OD	Soshin Electric Co., Ltd.
Ferrite core	Common	RC5060ZZ	Soshin Electric Co., Ltd.
Surge protector	Common	RSPD-250-U4	Okaya Electric Industries Co., Ltd.
		LT-C32G801WS	Soshin Electric Co., Ltd.
FG clamp[*1]	Common	FGC-5,FGC-8	Kitagawa Industries Co.,Ltd.

*2 (at left of table)

*1) Use an FG clamp with a motor cable and resolverUsed to ground the shield of cable (encoder cable).
*2) Parts available for purchase from CKD Refer to the ABSODEX related parts model No. table (page 51).

Configuration (when set model No. is selected)

Name	Quantity
Actuator	1
Driver (with controller)	1
Motor cable, resolver cable (encoder cable)	1 each

Standard config.

Accessories: I/O connector, connector for power supply, connector for motor cable

Note)For the notes on the connection method, make sure to read the instruction manual (technical data).
Note)For details, refer to the accessories supplied with the driver on page 45 (for AX9000TS/AX9000TH).

Programming tool

• Dialog terminal "AX0180" is available.
• The "AX Tools" configuration tool is available. ABSODEX programs are created, parameters set, and operation commands, etc., issued from the PC. The created program can be saved. The PC communication cable (model No.: AX-RS232C-9P) is required.

Note) The PC communication cable is designed specifically for ABSODEX. You cannot use a commercially available cable as it is. If used by mistake, the driver and PC may become damaged.
Note) Connect the dialog terminal and PC when adjusting only. During normal operation, disconnect the computer communication cable from CN1.
Note) When the PC recovers from the sleep mode, the USB-serial conversion cable may not be recognized, leading to communication errors.
* Please download and use the latest version of the setting tool "AX Tools" from our website.