

辅助触头单元

顶装单元类型

型号	SZ-A40	SZ-A20
	SZ-A31	SZ-A11
	SZ-A22	SZ-A02

侧装单元类型

型号	SZ-AS1
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适用的交流接触器型号

SC-E02, SC-E03, SC-E04, SC-E05
SC-E1 (P), SC-E2 (P), SC-E2S (P), SC-E3 (P), SC-E4 (P)
SC-E02/G, SC-E03/G, SC-E04/G, SC-E05/G, SC-E1 (P)/G,
SC-E2 (P)/G, SC-E2S (P)/G, SC-E3 (P)/G, SC-E4 (P)/G

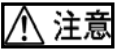
安全注意事项

在安装、运行、保养和维修前必须熟读使用说明书，以保证正确使用。

使用说明书中对安全注意事项区分为“危险”、“注意”两个等级。



：指在由于错误的使用而引发的危险情况下有可能导致死亡或重伤的场合。



：指在由于错误的使用而引发的危险情况下有可能导致中等程度的伤害或轻伤的场合，以及只会发生物体损坏的场合。

并且，即使在【注意】中记载的事项根据情况也有可能导致发生重大事故，所以记载内容都很重要，请必须遵守。

危险

- 请不要触摸和靠近通电中的产品，因有灼伤、火灾的危险。
- 维修、检验请在切断电源后进行，因有触电的危险。

注意

- 确保安装空间不小于产品样本要求，否则会有发生触电、灼伤的危险。
- 应按照所用电流、电压选用适当尺寸的电线进行接线，按产品样本要求的力矩紧固电线，否则会有发生火灾的危险。
- 请不要在切断电源后立即触摸产品，因为余热可能会导致烫伤。
- 产品废弃时需按产业废弃物处理。

1. 解开包装

- (1) 请确认产品与要求的规格是否一致。
- (2) 请检查是否有由于运输过程中等原因而引起的零部件松动或破损现象。

2. 安装

2.1 适用范围

顶装类型或侧装类型均可使用，但两种类型不能同时使用。

2.2 安装・拆卸方法

(1) 顶装型（图1）

- 安装时把顶辅单元从方向①压入本体，沿方向②移动，直至挂住本体的安装槽为止。
- 安装后，按下顶辅单元的滑块，确认其是否可以顺利地动作。
- 拆卸时，提起挂钩，沿方向③移动。

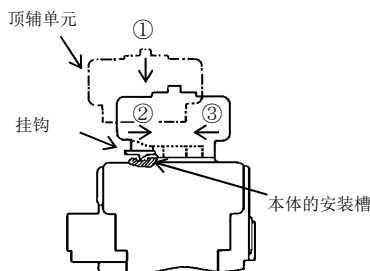


图1

(2) 侧装型（图2）

- 安装时，把本体滑块沿方向④按入，把侧辅单元的可动凸部插入本体可动凹部，将侧辅单元的挂钩与本体的安装卡子挂住，侧辅单元沿方向⑤压入。
- 安装后按下本体滑块，确认其是否能顺利动作。
- 拆卸时，先拆开上下外壳，再取下侧辅单元。

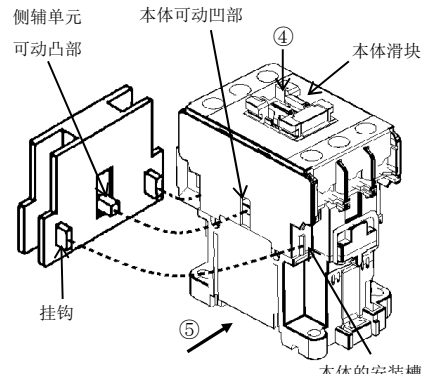
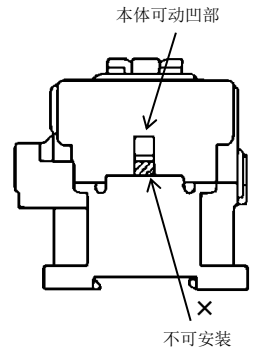


图2



3. 安装空间（图3、图4）

产品安装间距见下表尺寸。

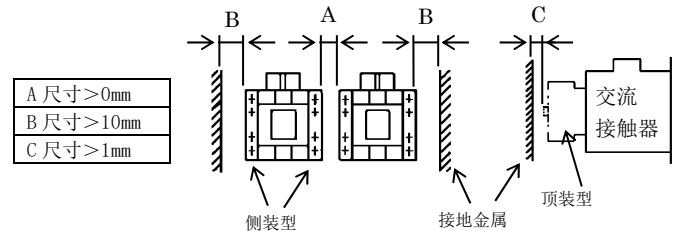


图3

图4

4. 连接容量

电线尺寸及紧固力矩

单芯线・多股线	[mm ²]	1×(0.75~2.5)
多股软线（带压接端子）		2×(0.5~1.5)
电线剥皮尺寸	[mm]	10
端子螺钉		M 3.5
紧固工具【注1】		⊕ ⊖
紧固力矩	[N・m]	0.8 ~ 1

【注1】⊕：飞利浦H形2号

⊖：I形螺丝刀1×5.5×L式样B

5. 维修・保养

- (1) 请确认螺钉无松动现象。
- (2) 不能单独更换接点。必须更换整个辅助触头单元。

常熟富士电机有限公司

中国江苏省常熟市东山路18号

电话：0512-52845623 52845643

Auxiliary contact block

Front mounting type

Type SZ-A40, SZ-A20
SZ-A31, SZ-A11
SZ-A22, SZ-A02

Side mounting type

Type SZ-AS1

Type of applicable magnetic contactor

SC-E02, SC-E03, SC-E04 SC-E05
SC-E1, SC-E2, SC-E2S, SC-E3, SC-E4
SC-E02/G, SC-E03/G, SC-E04/G, SC-E05/G
SC-E1/G, SC-E2/G, SC-E2S/G, SC-E3/G, SC-E4/G

Safety Precautions

To ensure proper use of the product, be sure to read this manual and the other attached documents carefully before starting installation, operation, maintenance and inspection. Within this instruction manual, safety precautions are ranked, in order of importance, as either "Warning" or "Caution".



An operator may be killed or seriously injured by a hazardous condition resulting from improper operation.



An operator may suffer minor injuries and/or objects may be damaged by a hazardous condition resulting from improper operation.

Under certain conditions, improper operation may result in serious injury and/or damage even if it is labeled only as "Caution". Every item indicated by either "Warning" or "Caution" should be considered significant. Be sure to give particular care to those items.

WARNING

- Do not touch the product or approach it. Electrical shock or burning may result.
- Turn off the power before starting maintenance or inspection. Failure to turn off power may result in electrical shock or burning.

CAUTION

- Install the product assuring a space of at least that which is specified in the instruction manual. Failure to do so may result in fire or scorching.
- For wiring, select wire sizes suitable for the applied voltage and current. Tighten wires with the tightening torque specified in the instruction manual. Failure to do so may result in fire.
- Do not touch the product immediately after the power is turned off. As it may still be hot, burning may result.
- Treat the product as industrial waste when discarding.

1. Unpacking

- Check that the type and contact arrangement match the requested specifications.
- Make sure that no parts have been lost or damaged during shipping.

2. Mounting

2.1 Application

Either the front mounting type or the side mounting type should be used. These types cannot be used at the same time.

2.2 Mounting and removal

(1) Front mounting type (Fig.1)

- When mounting, attach the block unit to the main unit in the direction of ①, and move it in the direction of ② until the hook of the block unit is caught in the mounting groove of the main unit. After mounting, press the moving section of the block unit to ensure that the block unit moves smoothly.
- To remove the block unit, pull up the hook and move it in the direction of ③.

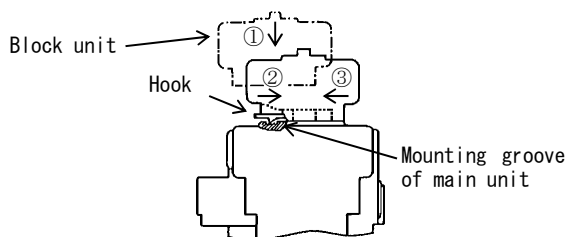


Fig. 1

(2) Side mounting type (Fig. 2)

- When mounting, insert the moving section(boss) of the block unit into the moving section(dent) of the main unit while pressing the moving section of the main unit in the direction of ④. Insert the block unit in the direction of ⑤ until the hook of the block unit is caught in the mounting groove of the main unit. After mounting, press the moving section of the main unit to ensure that the block unit moves smoothly.
- When removing the block unit, after dividing the upper frame and the lower frame, take off the block unit from the main unit.

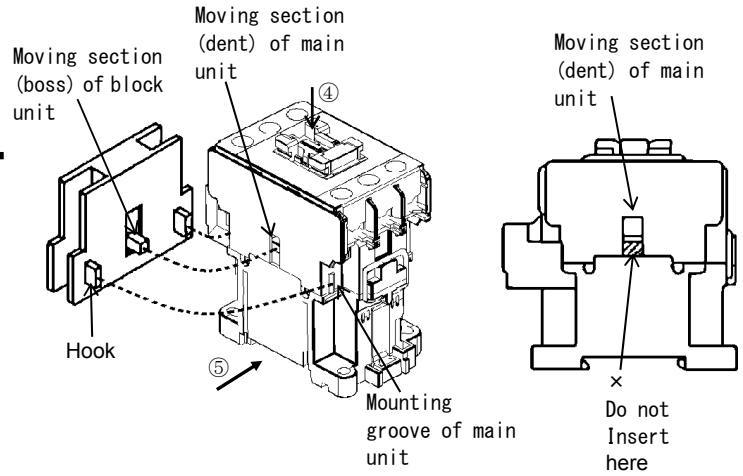


Fig. 2

3. Mounting Space (Fig.3, Fig.4)

Mount the products at a distance of at least that shown in the table below.

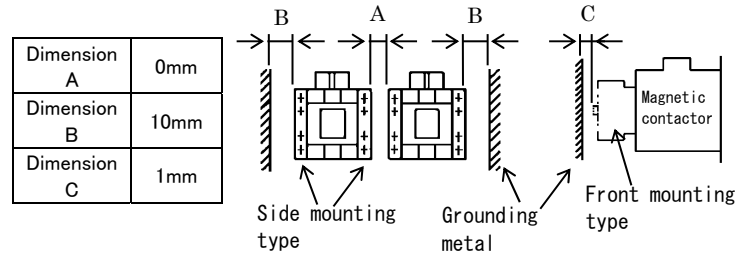


Fig. 3

Fig. 4

4. Wiring

Maximum wire size and proper tightening torque are shown in the following table.

Solid and standard	[mm ²]	1 × (0.75 ~ 2.5)
Flexible stranded with end sleeve		2 × (0.5 ~ 1.5)
		2 × (1.5 ~ 2.5)
Stripped length	[mm]	10
Terminal screw size		M 3.5
Kinds of screw		⊕ ⊖
Tightening torque	[N·m]	0.8 to 1

⊕: Philips PH2 φ6

⊖: Slotted-head screw 1 × 5.5 × L type B

5. Maintenance and Inspection

- Check that all screws are tight.
- Contact cannot be replaced alone. They should be exchanged in the whole auxiliary contact block unit.

FUJI ELECTRIC (CHANGSHU) CO., LTD.

Changshu Yushan Industrial Zone, Jiangsu Province, China

Phone: 0512-52845642 52845643