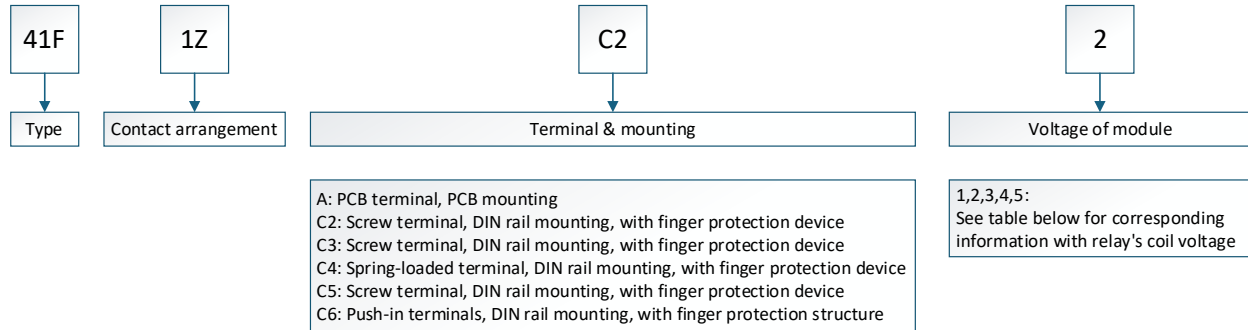


Ordering Information



Technical parameter

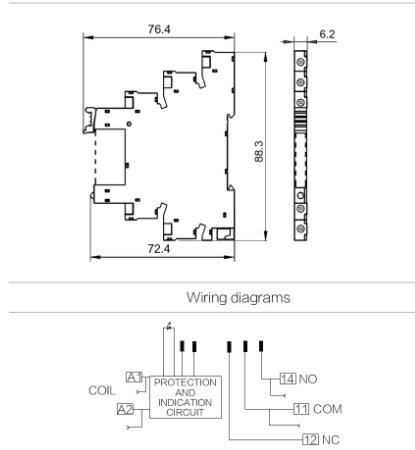
Type	Rated Voltage	Rated Current	Temperature	Input Voltage	Apply to relay the rated voltage	Input voltage polarity	Screw torque	Stripped wire length
41F-1Z-C2-1	250VAC	6A	-40°C~70°C	(12-24)V AC/DC	(12-24)V DC	None	0,5Nm	7mm
41F-1Z-C2-2	250VAC	6A	-40°C~70°C	(48-60)V AC/DC	(48-60)V DC	None	0,5Nm	7mm
41F-1Z-C2-3	250VAC	6A	-40°C~55°C	(110-125)V AC/DC	60V DC	None	0,5Nm	7mm
41F-1Z-C2-4	250VAC	6A	-40°C~55°C	(220-240)V AC/DC	60V DC	None	0,5Nm	7mm
41F-1Z-C2-5	250VAC	6A	-40°C~70°C	(6-24)V AC/DC	(6-24)V DC	A1-A2+	0,5Nm	7mm
41F-1Z-C3-1	250VAC	6A	-40°C~70°C	(12-24)V AC/DC	(12-24)V DC	None	0,5Nm	7mm
41F-1Z-C3-4	250VAC	6A	-40°C~55°C	(220-240)V AC/DC	60V DC	None	0,5Nm	7mm
41F-1Z-C4-1	250VAC	6A	-40°C~70°C	(12-24)V AC/DC	(12-24)V DC	None		7mm
41F-1Z-C4-2	250VAC	6A	-40°C~70°C	(48-60)V AC/DC	(48-60)V DC	None		7mm
41F-1Z-C4-3	250VAC	6A	-40°C~55°C	(110-125)V AC/DC	60V DC	None		7mm
41F-1Z-C4-4	250VAC	6A	-40°C~55°C	(220-240)V AC/DC	60V DC	None		7mm
41F-1Z-C4-5	250VAC	6A	-40°C~70°C	(6-24)V AC/DC	(6-24)V DC	A1-A2+		7mm
41F-1Z-C5-1	250VAC	6A	-40°C~70°C	(12-24)V AC/DC	(12-24)V DC	None	0,5Nm	7mm
41F-1Z-C5-2	250VAC	6A	-40°C~70°C	(48-60)V AC/DC	(48-60)V DC	None	0,5Nm	7mm
41F-1Z-C5-3	250VAC	6A	-40°C~55°C	(110-125)V AC/DC	60V DC	None	0,5Nm	7mm
41F-1Z-C5-4	250VAC	6A	-40°C~55°C	(220-240)V AC/DC	60V DC	None	0,5Nm	7mm
41F-1Z-C5-5	250VAC	6A	-40°C~70°C	(6-24)V AC/DC	(6-24)V DC	A1-A2+	0,5Nm	7mm
41F-1Z-C6-1	250VAC	6A	-40°C~70°C	(12-24)V AC/DC	(12-24)V DC	None		
41F-1Z-C6-2	250VAC	6A	-40°C~70°C	(48-60)V AC/DC	(48-60)V DC	None		
41F-1Z-C6-3	250VAC	6A	-40°C~55°C	(110-125)V AC/DC	60V DC	None		
41F-1Z-C6-4	250VAC	6A	-40°C~55°C	(220-240)V AC/DC	60V DC	None		
41F-1Z-C6-5	250VAC	6A	-40°C~70°C	(6-24)V AC/DC	(6-24)V DC	A1-A2+		
41F-1Z-A	250VAC	6A	-40°C~70°C	(6-24)V AC/DC	(6-24)V DC	A1-A2+		

41F

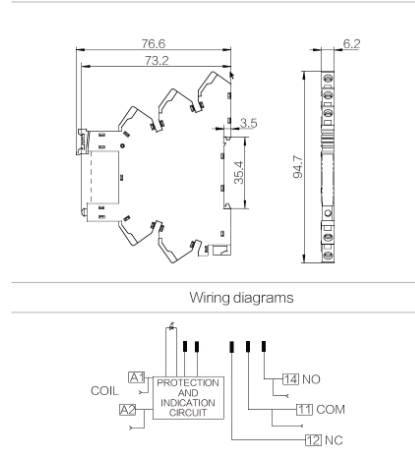
Ultra-thin Relay Socket

■ Dimensions

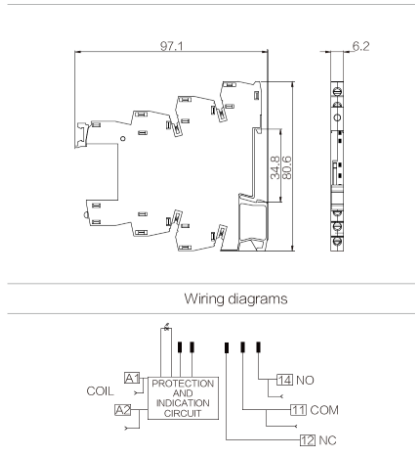
41F-1Z-C2



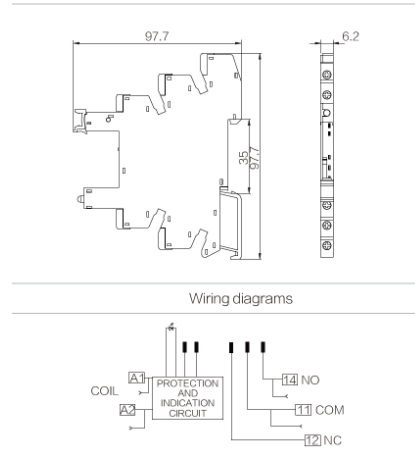
41F-1Z-C4



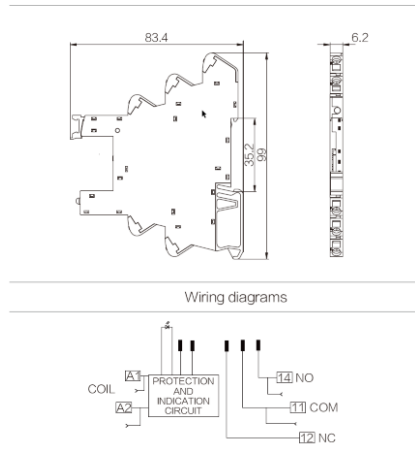
41F-1Z-C3



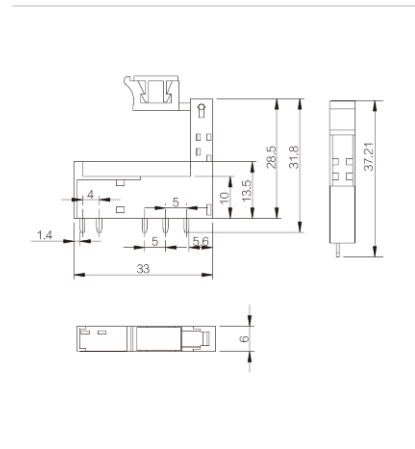
41F-1Z-C5



41F-1Z-C3



41F-1Z-A



▪ Precautions for use (41F-1Z-C2)

1. Please use the quick-break fuse with rating of 15Amp. for short-circuit protection.
2. It may cause failure, fire or malfunction, when the sockets are continuously applied the power to for a long term in case of exceeding the upper limit ambient temperature. So please ensure that the ambient temperature is within the upper limit when using sockets.

Operating temperature upper limit : 55°C : 41F-1Z-C2-3/4

Operating temperature upper limit : 70°C : 41F-1Z-C2-1/2/5

3. Things to be noticed when selecting soft wiring.

The soft wiring can be divided into the following types.

- Twisted line or single wire below 2.5mm² or below AGW14.
- Within 2 roots when the twisted below 1.5mm² or below AGW16.

Be sure to use this size that the front end of the wire needs to be stripped of the 7mm~8mm insulation protection layer (Figure 1).



Figure 1

- Use the recommended screwdriver specifications when wiring.

Plus driver: Shaft Diameter Ø-3.5mm.

Single driver: Figure 2.

- Recommended tightening torque: 0.5N·m.

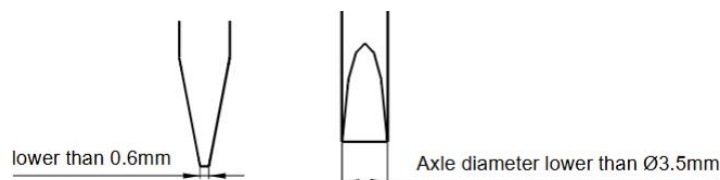


Figure 2

4. Mounting relay.

Presents the socket anti-stripping spring in an open state (see Figure 6) and aligns the relay to the main socket cavity (Figure 7).

Then turn the buckle counterclockwise and press the relay gently until it is fully plugged into the socket (Figure 8).

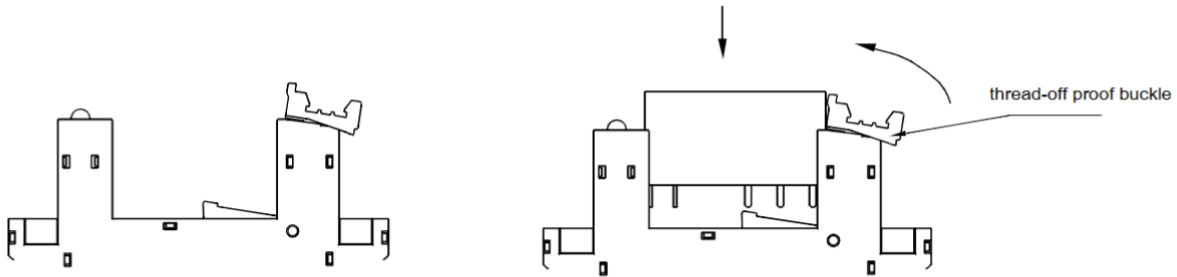


Figure 6

Figure 7

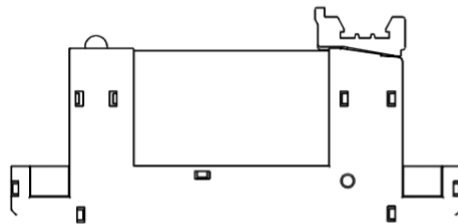


Figure 8

5. Disassembly relay.

Disconnect the relay by pulling the anti-lock buckle of the socket clockwise (see Figure 9).

Note: When disassembling the relay, please note that the relay may be suddenly ejected and cause the relay to fall or be lost. Therefore, when disassembling the relay, be sure to squeeze the relay by hand before Pull the anti-release catches clockwise to disassemble the relay.

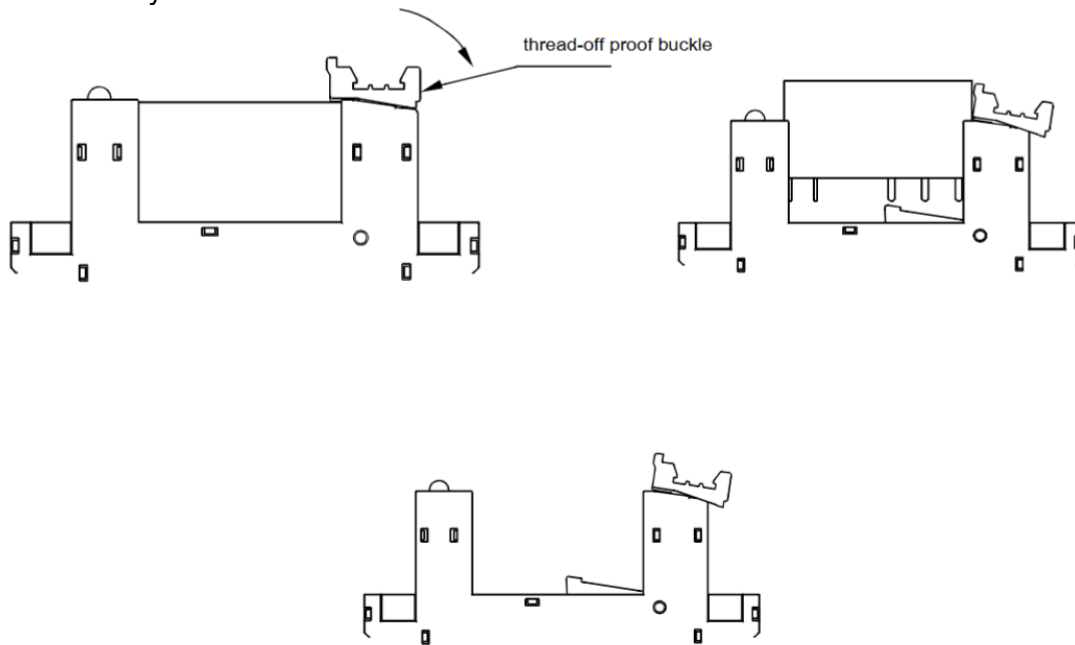


Figure 9

6. Installation socket.

Insert the A of the socket into the rail and press it in the direction of the arrow (Figure 11).

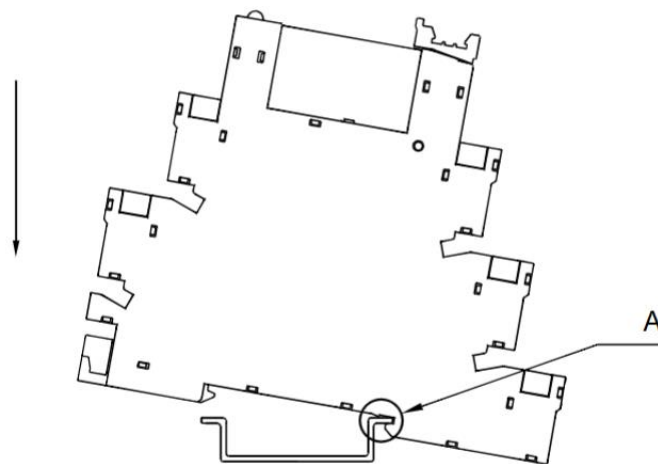


Figure 10

7. Disassembly socket.

Insert a screwdriver into B, turn in the direction of the arrow, lift the socket and remove the socket (Figure 12).

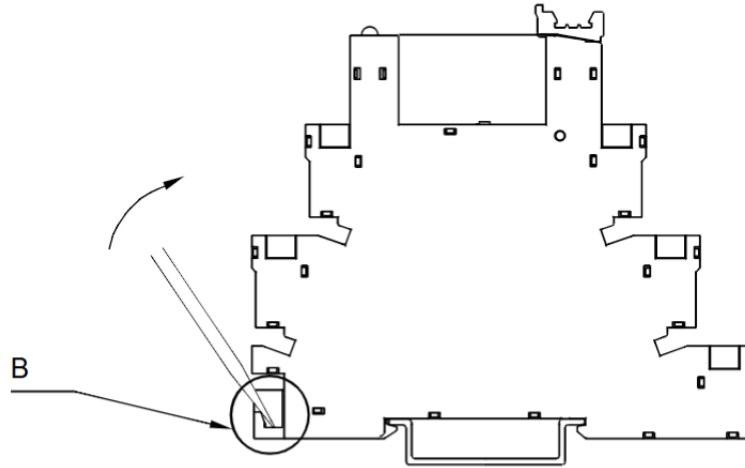


Figure 11

8. For your personal safety and the normal operation of the equipment, as well as to prevent fire, please note the following issues:

- The rated current of the socket should be no less than the rated current of the relay.
- Sockets are required to be firmly fixed to prevent the wiring from loosening and affecting the quality of wiring.
- Be sure to disconnect power to the outlet before installation, disassembly, wiring, maintenance and inspection.
- prevent foreign objects such as wire shavings from falling inside this product when wiring.
- Be sure to install the relay in place and use accessories such as retainer if necessary to improve contact reliability. Do not use with incomplete connections.
- Be sure to observe the relay ratings and do not overload the relay.
- Before selecting a relay, make sure that the drive voltage matches the relay excitation voltage.

▪ Precautions for use (41F-1Z-C4)

1. Please use the quick-break fuse with rating of 15Amp. for short-circuit protection.
2. It may cause failure, fire or malfunction, when the sockets are continuously applied the power to for a long term in case of exceeding the upper limit ambient temperature. So please ensure that the ambient temperature is within the upper limit when using sockets.

Operating temperature upper limit : 55°C : 41F-1Z-C4-3/4

Operating temperature upper limit : 70°C : 41F-1Z-C4-1/2/5

3. Things to be noticed when selecting soft wiring.

The soft wiring can be divided into the following types. Twisted line or single wire greater than 0.5mm² or less than 2.5mm² or greater than AWG 20 and less than AWG14. Be sure to use this size that the front end of the wire needs to be stripped of the 7mm~8mm insulation protection layer.

- Use the recommended screwdriver specifications when wiring.

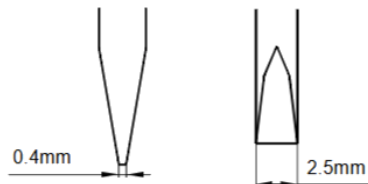


Figure 1

- The insertion position of the wire and the screwdriver and the insertion direction of the screwdriver are as shown in Figure 2.

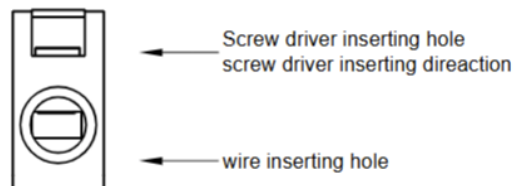


Figure 2

- Please use cold pressed terminals when selecting twisted line.
- The method of Wiring as shown in figure 3.

Step 1. Insert screwdriver into socket with screwdriver patch hole.

Step 2. Push the screwdriver in until it touches the stop position inside the socket and keep the screwdriver in this position.

Step 3. Please keep the screwdriver in this position, and wires inserted into the terminal insertion hole bottom.

Step 4. Pull out the screwdriver and the wiring is completed.

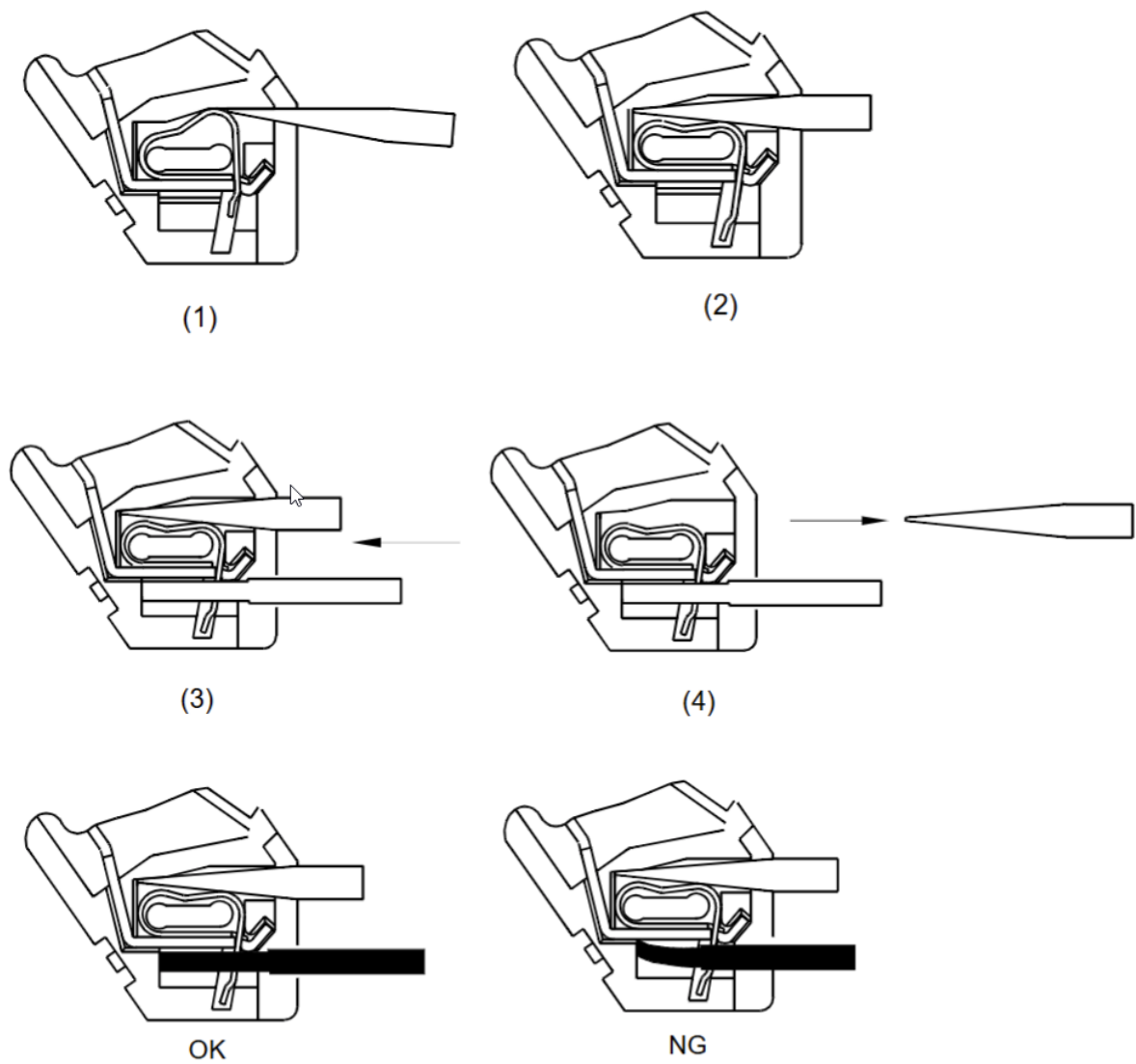


Figure 3

Do not insert the wire insulation.

4. Mounting relay.

Presents the socket anti-stripping spring in an open state (see Figure 6) and aligns the relay to the main socket cavity (Figure 7).

Then turn the buckle counterclockwise and press the relay gently until it is fully plugged into the socket (Figure 8).

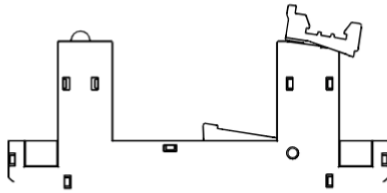


Figure 6

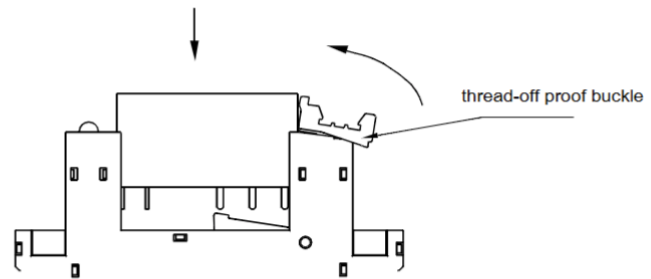


Figure 7

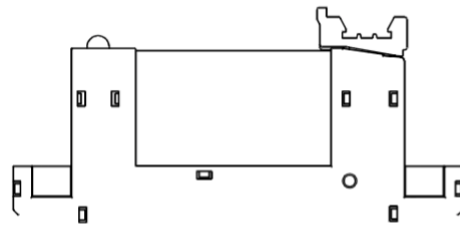


Figure 8

5. Disassembly relay.

Disconnect the relay by pulling the anti-lock buckle of the socket clockwise (see Figure 9).

Note: When disassembling the relay, please note that the relay may be suddenly ejected and cause the relay to fall or be lost. Therefore, when disassembling the relay, be sure to squeeze the relay by hand before Pull the anti-release catches clockwise to disassemble the relay.

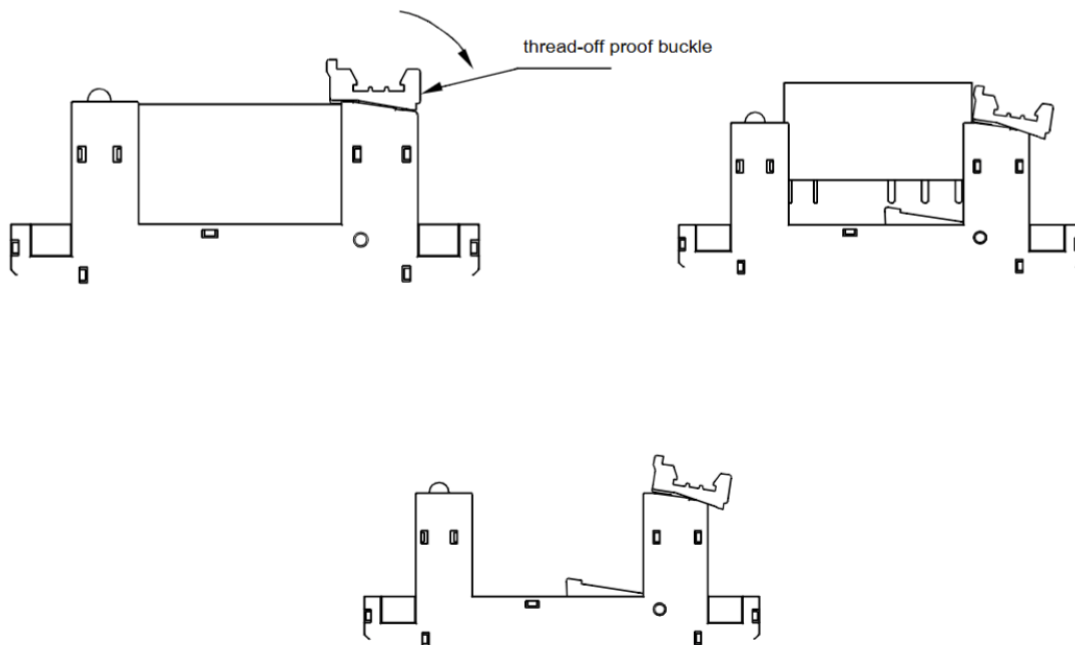


Figure 9

6. Installation socket.

Insert the A of the socket into the rail and press it in the direction of the arrow (Figure 11).

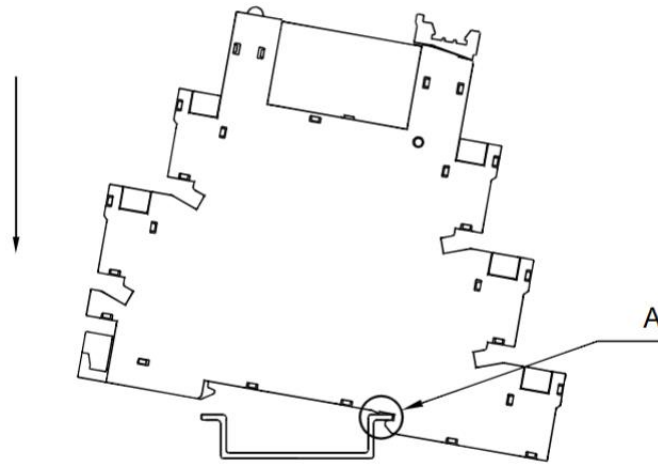


Figure 10

7. Disassembly socket.

Insert a screwdriver into B, turn in the direction of the arrow, lift the socket and remove the socket (Figure 12).

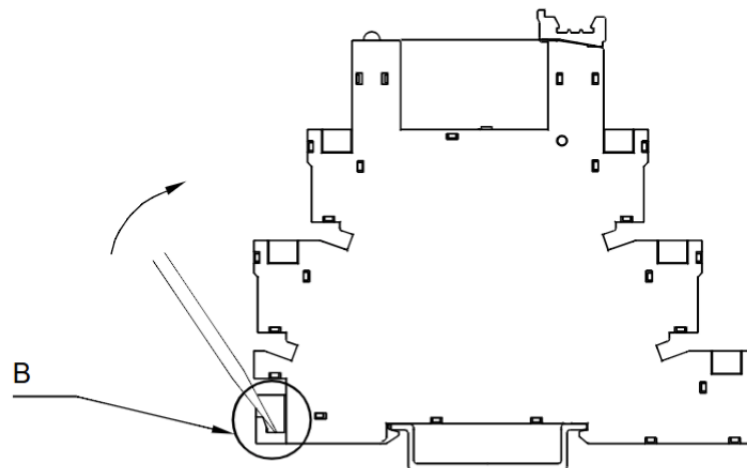


Figure 11

8. For your personal safety and the normal operation of the equipment, as well as to prevent fire, please note the following issues:

- The rated current of the socket should be no less than the rated current of the relay.
- Sockets are required to be firmly fixed to prevent the wiring from loosening and affecting the quality of wiring.
- Be sure to disconnect power to the outlet before installation, disassembly, wiring, maintenance and inspection.
- prevent foreign objects such as wire shavings from falling inside this product when wiring.
- Be sure to install the relay in place and use accessories such as retainer if necessary to improve contact reliability. Do not use with incomplete connections.
- Be sure to observe the relay ratings and do not overload the relay.
- Before selecting a relay, make sure that the drive voltage matches the relay excitation voltage.

▪ Precautions for use (41F-1Z-C6)

1. Please use the quick-break fuse with rating of 15Amp. for short-circuit protection.
2. It may cause failure, fire or malfunction, when the sockets are continuously applied the power to for a long term in case of exceeding the upper limit ambient temperature. So please ensure that the ambient temperature is within the upper limit when using sockets.

Operating temperature upper limit : 55°C : 41F-1Z-C6-3/4

Operating temperature upper limit : 70°C : 41F-1Z-C6-1/2/5

3. Things to be noticed when selecting soft wiring.

- The soft wiring can be divided into the following types.

Sleeves line or single wire less than 1.5mm² or less than AWG16. Be sure to use this size that the front end of the wire needs to be stripped of the 8mm~10mm insulation protection layer.

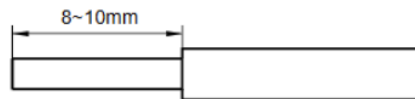


Figure 1

- If the stripping protective layer is too short, it may cause the wire to be pulled out. If it is too long, it may have a short circuit with the adjacent wire. If the stranded wire of cold pressed terminal is used, please tighten the wire of stranded wire before use to avoid loose wire.
- Use the recommended screwdriver specifications when wiring.

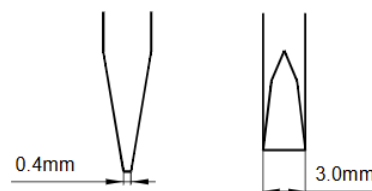


Figure 2

- The insertion position of the wire and the screwdriver and the insertion direction of the screwdriver are as shown in Figure 3.

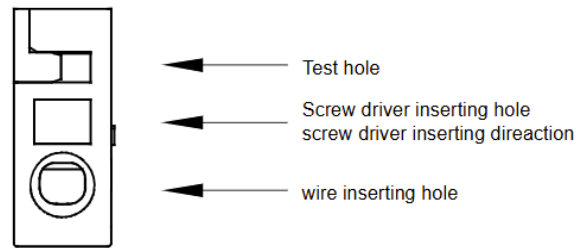


Figure 3

- Please use cold pressed terminals when selecting twisted line.
- The method of Wiring as shown in figure 4. Insert the wire into the wire insertion hole (circular hole) in the direction of (1) arrow and insert the wire straight into the bottom, as shown in (2)

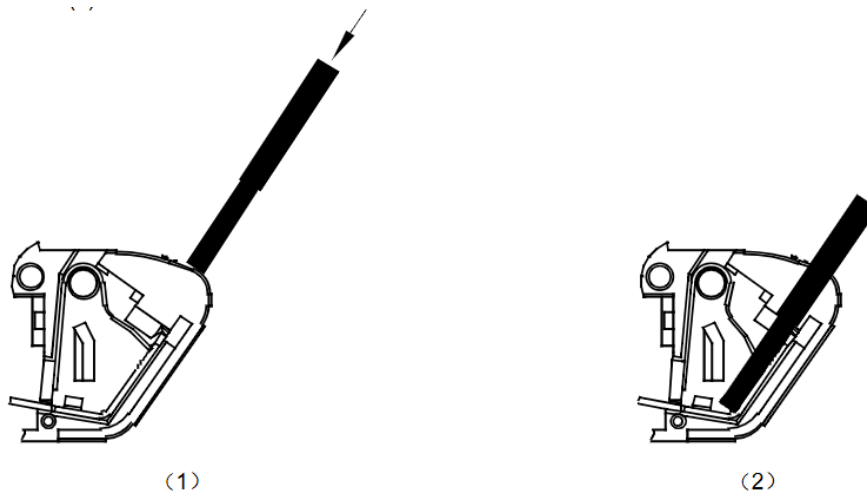


Figure 4

- How to remove the wires in Figure 5.
Insert the screwdriver into the screwdriver insertion hole (square hole) along the direction of the arrow in (1), and the screwdriver into the hole until the pressure spring is released after the wire. Remove the wire in the direction of arrow 2. After the wire is removed, the screwdriver is removed in the direction of arrow (3).

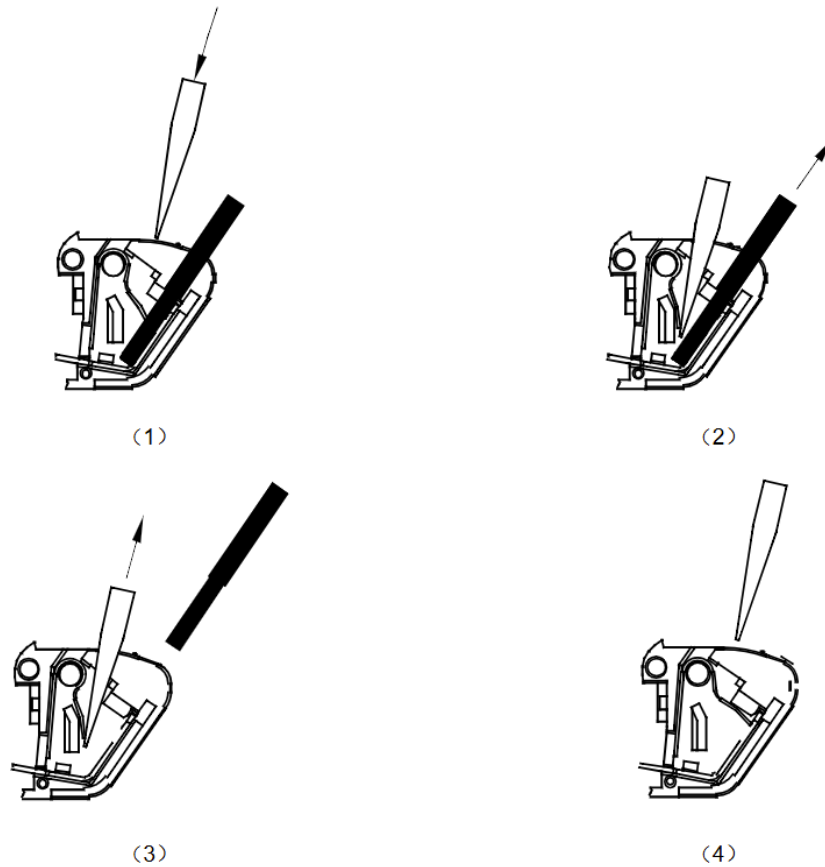


Figure 5

4. Mounting relay.

Presents the socket anti-stripping spring in an open state (see Figure 6) and aligns the relay to the main socket cavity (Figure 7).

Then turn the buckle counterclockwise and press the relay gently until it is fully plugged into the socket (Figure 8).

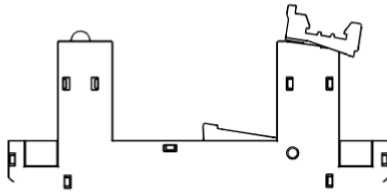


Figure 6

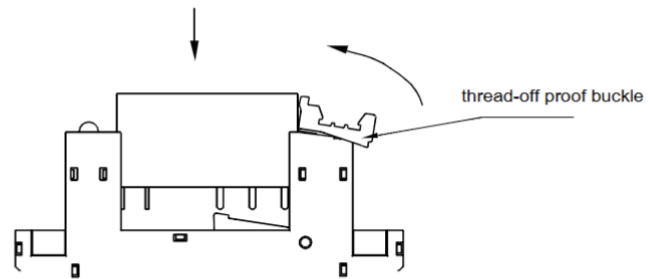


Figure 7

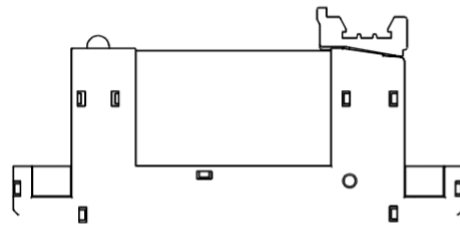


Figure 8

5. Disassembly relay.

Disconnect the relay by pulling the anti-lock buckle of the socket clockwise (see Figure 9).

Note: When disassembling the relay, please note that the relay may be suddenly ejected and cause the relay to fall or be lost. Therefore, when disassembling the relay, be sure to squeeze the relay by hand before Pull the anti-release catches clockwise to disassemble the relay.

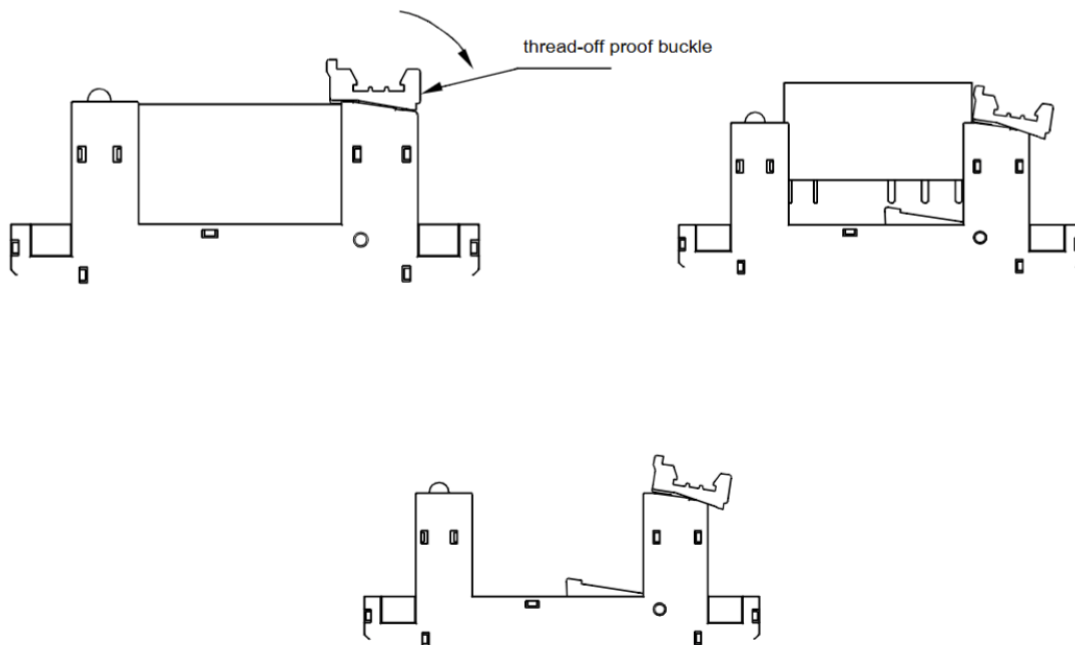


Figure 9

6. Installation socket.

Insert the A of the socket into the rail and press it in the direction of the arrow (Figure 11).

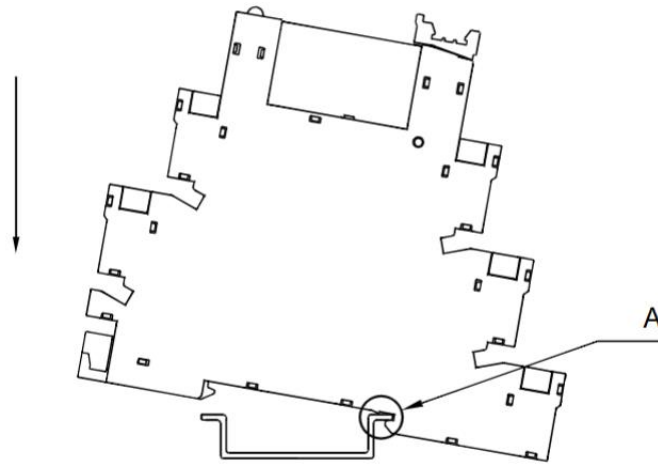


Figure 10

7. Disassembly socket.

Insert a screwdriver into B, turn in the direction of the arrow, lift the socket and remove the socket (Figure 12).

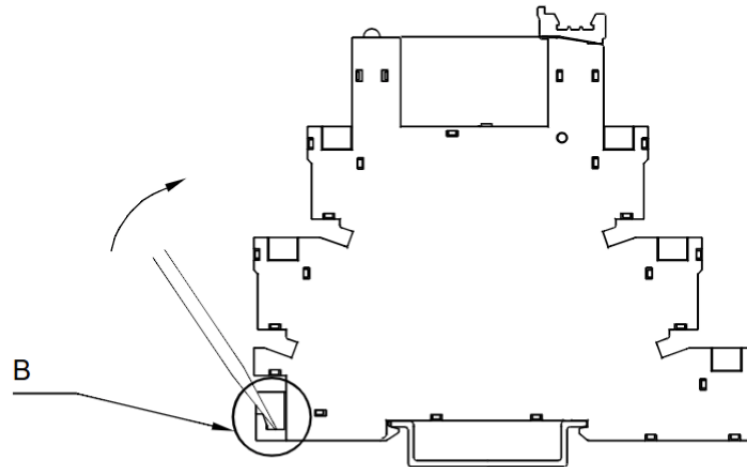


Figure 11

8. For your personal safety and the normal operation of the equipment, as well as to prevent fire, please note the following issues:

- The rated current of the socket should be no less than the rated current of the relay.
- Sockets are required to be firmly fixed to prevent the wiring from loosening and affecting the quality of wiring.
- Be sure to disconnect power to the outlet before installation, disassembly, wiring, maintenance and inspection.
- prevent foreign objects such as wire shavings from falling inside this product when wiring.
- Be sure to install the relay in place and use accessories such as retainer if necessary to improve contact reliability. Do not use with incomplete connections.
- Be sure to observe the relay ratings and do not overload the relay.
- Before selecting a relay, make sure that the drive voltage matches the relay excitation voltage.