

RG-S5750-48GT/4SFP-P V5.0

V1.06

2022-06-29

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RG-S5750-48GT/4SFP-P V5.0

RG-S5750-48GT/4SFP-P V5.0

QoS

■ RG-S5750-48GT/4SFP-P V5.0

| | 10/100/1000Base-T | SFP+ | 1000Base-X SFP | Cons ole | USB | | |
|---------------------------|-------------------|------|----------------|-------------|--------------|---|--|
| RG-S5750-48GT/4SFP-P V5.0 | 48 POE+ | 2 | 2 Combo | 1 | 1(Reserved) | 2 | |

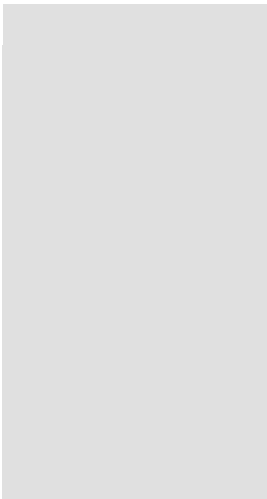
 SFP+ 10Gbase-R 1000base-X

 SFP 1000base-X 100base-X

 1000Base-T 100Base-TX 10Base-T

1.1 RG-S5750-48GT/4SFP-P V5.0

| | |
|-----|---------------------------|
| | RG-S5750-48GT/4SFP-P V5.0 |
| CPU | |



- RG-M5000E-AC500P
100-240Vac~
50/60Hz
7-3.5A
HVDC
192

| | | | |
|---|---|---|---|
| 1 | 1 | 4 | 2 |
| 2 | 2 | 5 | |
| 3 | 1 | | |

RG-S5750-48GT/4SFP-P V5.0

| | | |
|--|----------------------|-----------------------|
| | RG-M5000E-AC500P | RG-M5000E-AC500P HVDC |
| | RG-S5750-48GT/4SFP-P | RG-S5750-48GT/4SFP-P |
| | 100-240V~ 50/60Hz | 240VDC |
| | 90~264V~ 50/60Hz | 192-290VDC |

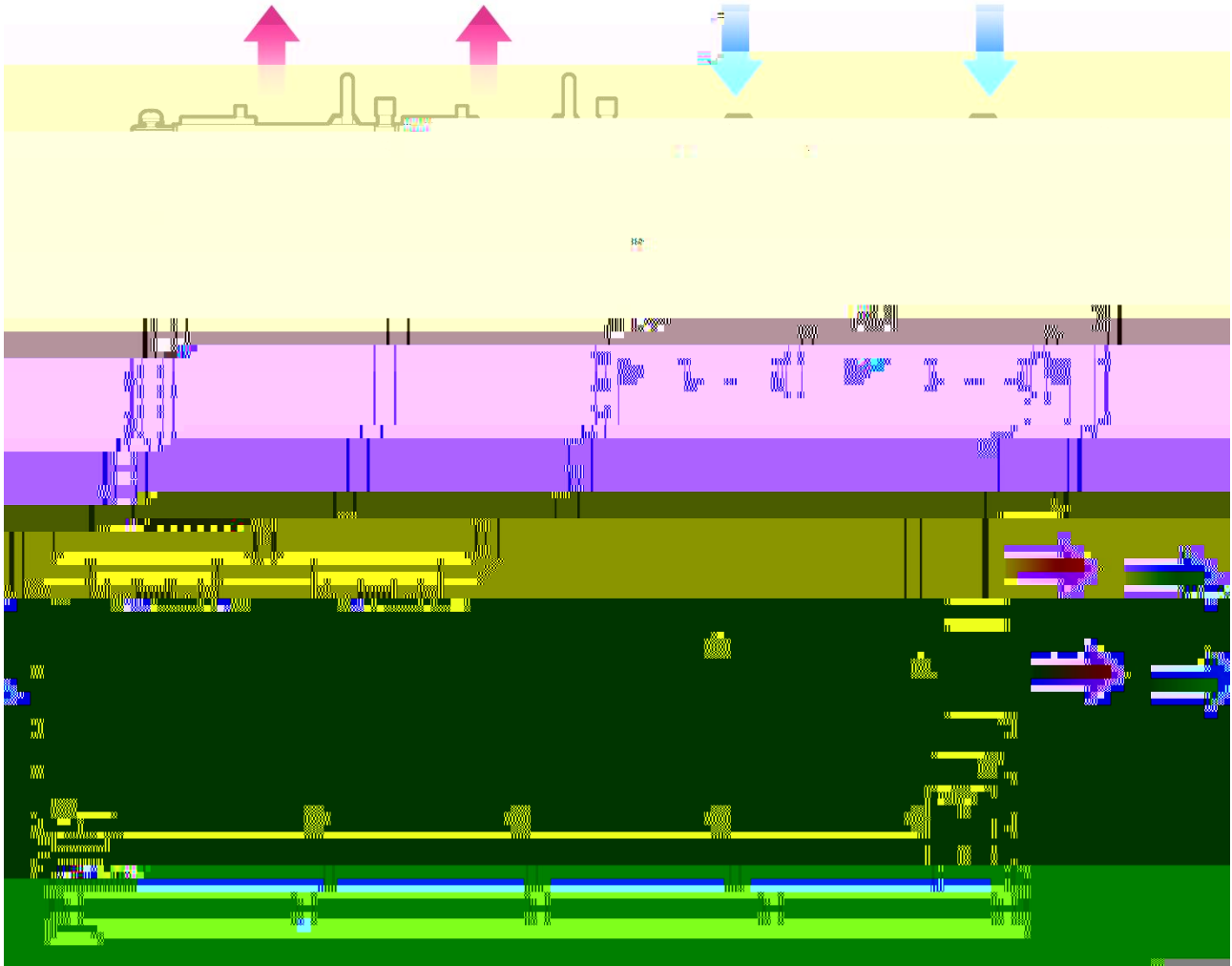
| | |
|---------|-------------------------------------|
| | 1+1 |
| | 54V -58V ~ -66V 12V 13.2 ~ 15.6V |
| | 54V 7.8A ~ 10A 12V 11A ~ 14A |
| | |
| | |
| | RG-M5000E-AC500P |
| | PD650I |
| | 195.4*90*43.2mm 224.5*90*43.2mm |
| (* *) | |
| | 1.6kg |

1

2

2

1



| | | | |
|----------------|-----------|--|------|
| | | | |
| | Status | | |
| | | | 5.2 |
| | M1/M2 | | |
| | PWR1/PWR2 | | AC |
| PoE | PoE | | PoE |
| 1000Mbps RJ-45 | 1-24 | | Link |

| | | | |
|----------|------|--|-----------------|
| | | | 1000M Link Up |
| | | | 1000M |
| | | | 100/10M Link Up |
| | | | 100/10M |
| RJ45 PoE | 1~48 | | PoE |
| | | | PoE |
| | | | PoE |
| | | | Link |

1000Mbps SFP

47F-48F

2.1.4

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-
-

PE

2.1.5

RG-S5750-48GT/4SFP-P V5.0

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2.1.6

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2.2.5

RG-S5750-48GT/4SFP-P V5.0

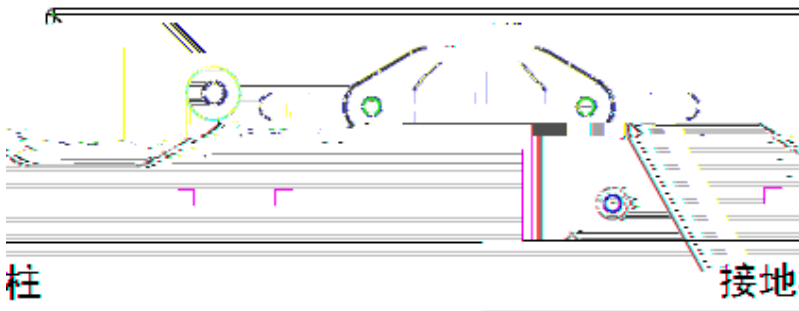
| | | | | |
|---|------|-------|------|-------|
| | 0.75 | 18AWG | | |
| 3 | | | 0.75 | 18AWG |

1 RG-S5750-48GT/4SFP-P V5.0

1

2-1

2-1 RG-S5750-48GT/4SFP-P V5.0



2.2.6

RG-S5750-48GT/4SFP-P V5.0



2.2.7 EMI

EMI

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2.3

| | |
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| | |
| | |
| | |



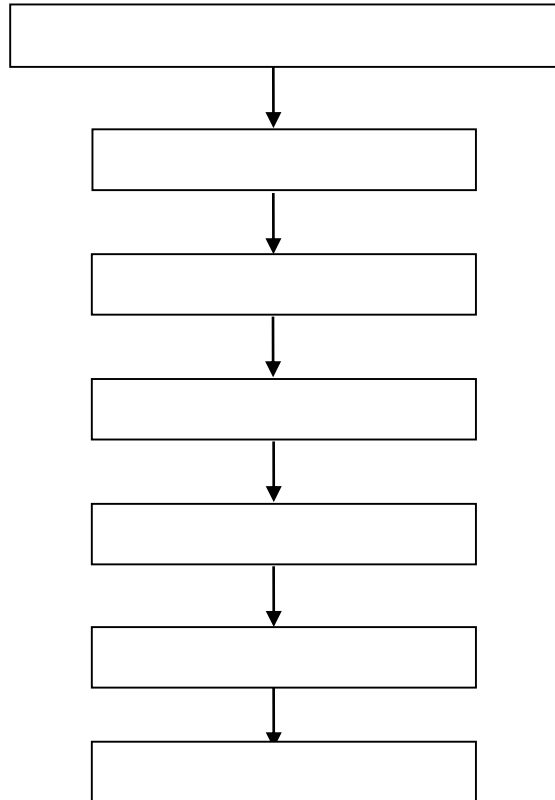
3



" "



3.1



3.2

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-
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-

3.3 **RG-S5750-48GT/4SFP-P V5.0**

-
-
- RG-S5750-48GT/4SFP-P V5.0
- 10
- RG-S5750-48GT/4SFP-P V5.0
-

3.3.1

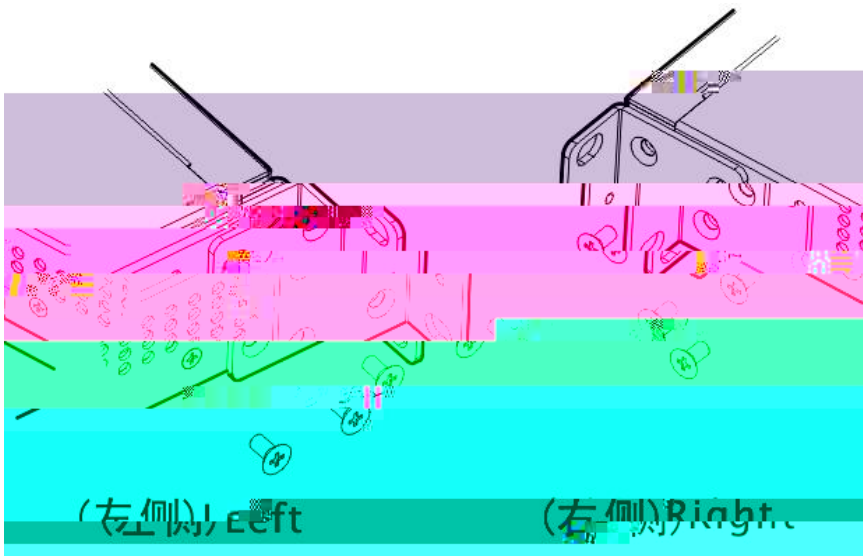
RG-S5750-48GT/4SFP-P V5.0

EIA

19

3-1

3-1

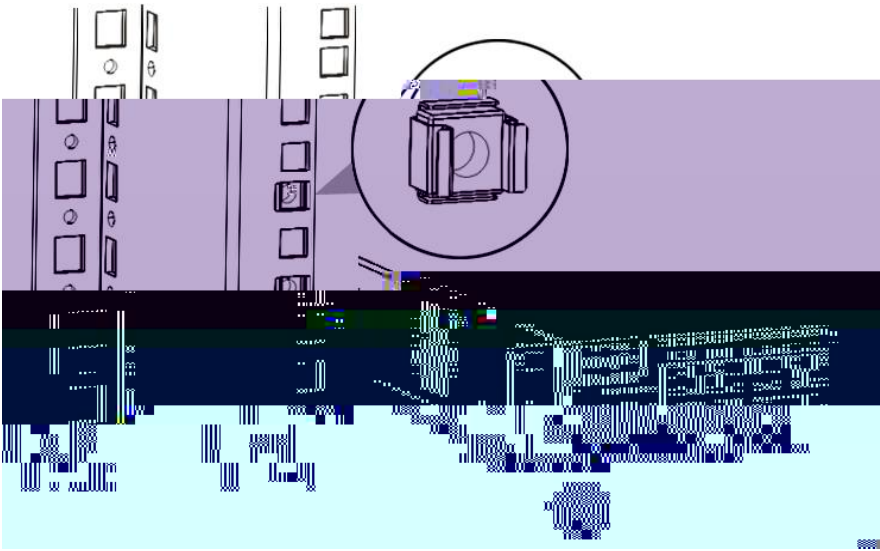


3-2

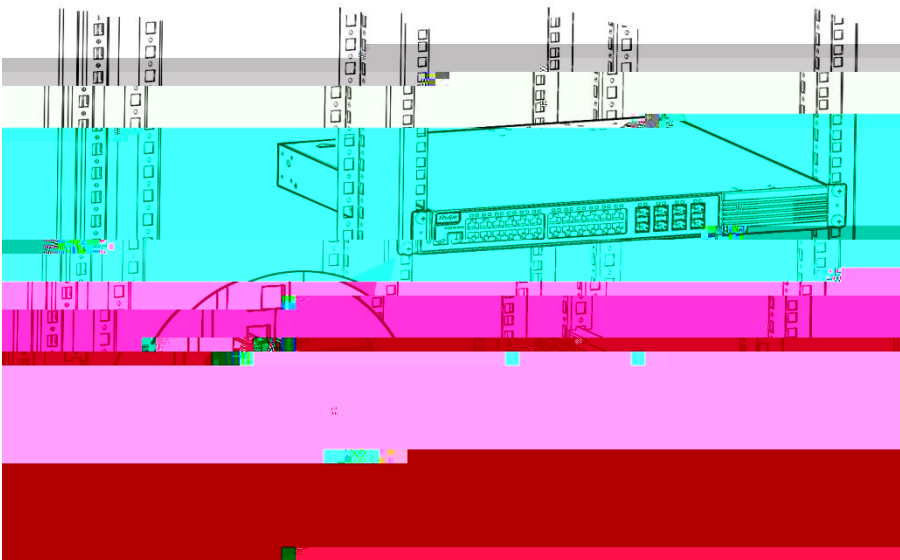
M6

3-3

3-2

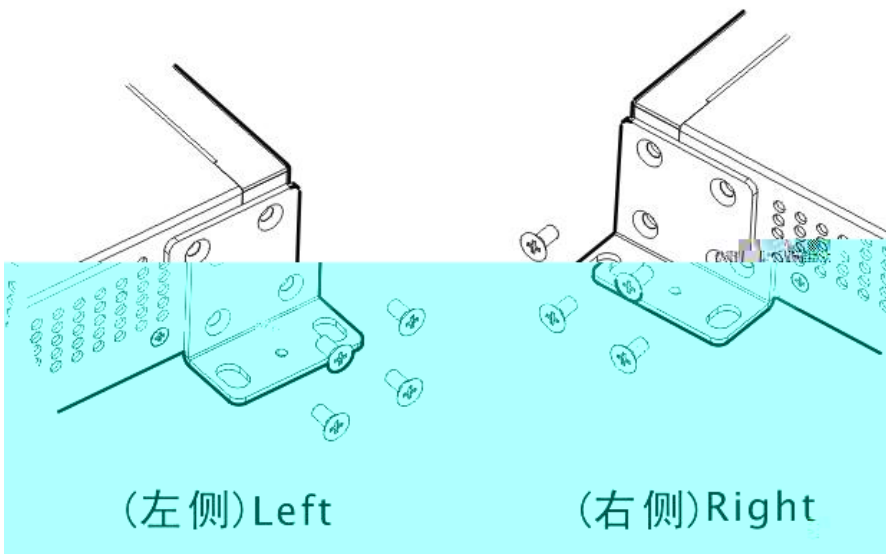


3-3



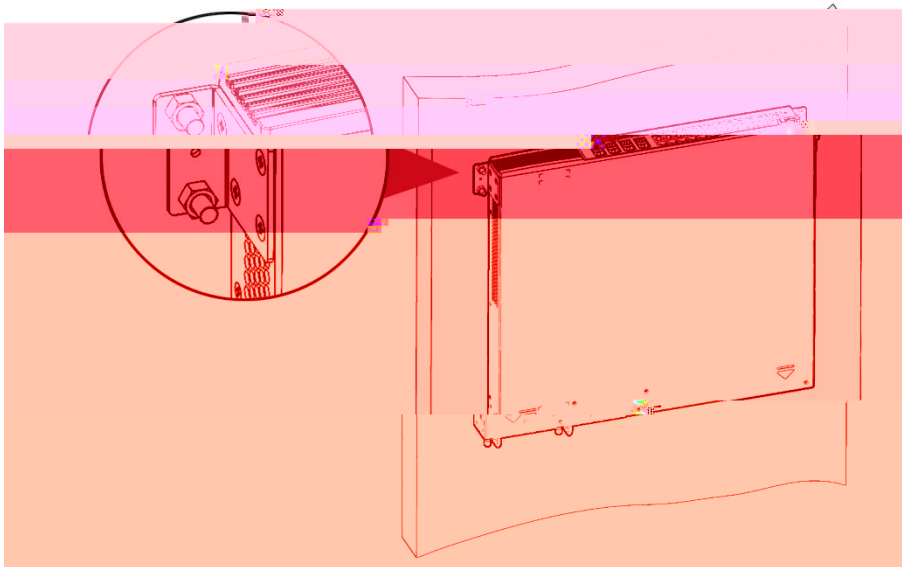
3.3.2

3-4



3-5

3-5



3.3.3

19

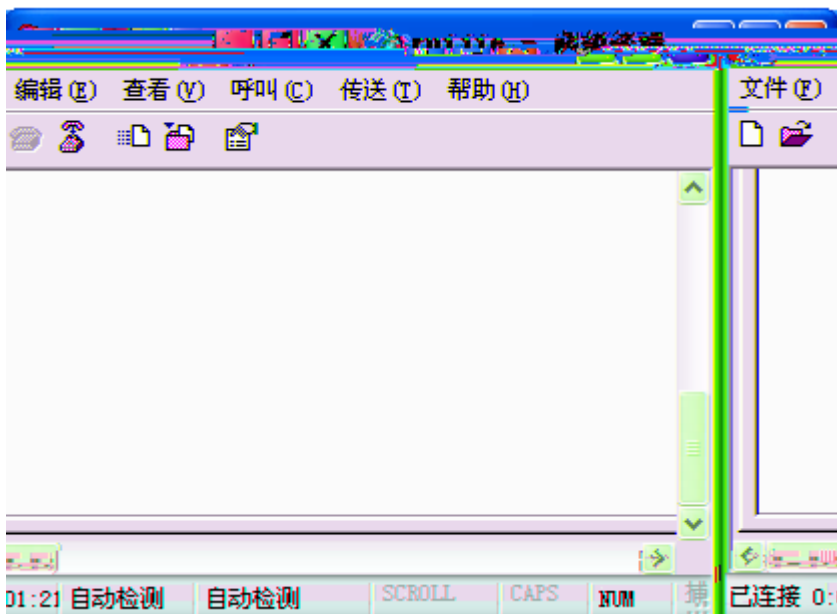
4

3-6

3-6

3-7

3-7



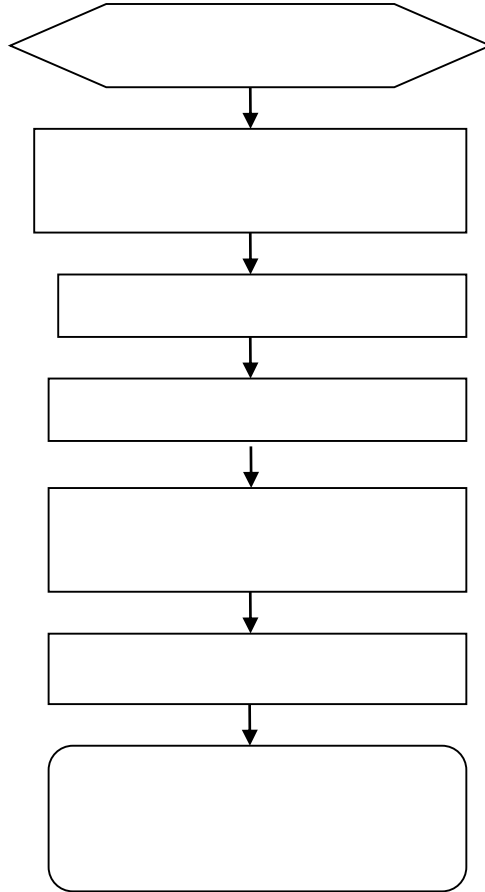
4.2

-
-
-
- PC console

-
-
-
-
-

5

5.1



5.2

| status | | |
|--------|--|--|

| | | |
|--------|-----|--|
| Status | | |
| | | |
| RJ45 | 100 | |

A —

1000BASE-T/100BASE-TX/10BASE-T

1000BASE-T/100BASE-TX/10BASE-T

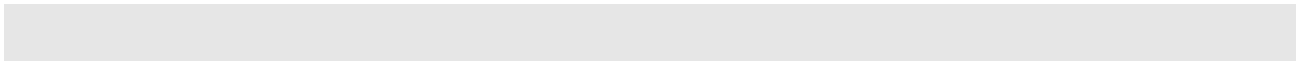
MDI/MDIX Crossover

| | | | | | | |
|------------|--------------|-----|-----------|---|-----|-----|
| 1000BASE-T | IEEE 802.3ab | | 100-ohm 5 | 5 | UTP | STP |
| | STP | 100 | | | | |

| | | | | |
|------------|---|--|---|------------|
| 1000BASE-T | 4 | | 4 | 1000BASE-T |
|------------|---|--|---|------------|

A-1

A-1 1000BASE-T



Switch

1 TP0 +

Switch

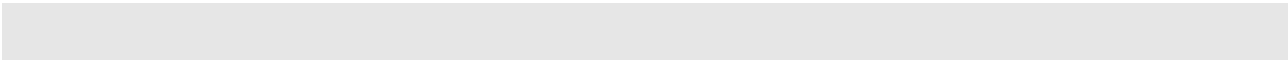
1 TP0 +

Switch

1 TP0

Switch

A-3 100BASE-TX/10BASE-T



Switch

Switch

Switch

Switch

1 IRD +

B — Mini-GBIC SFP+

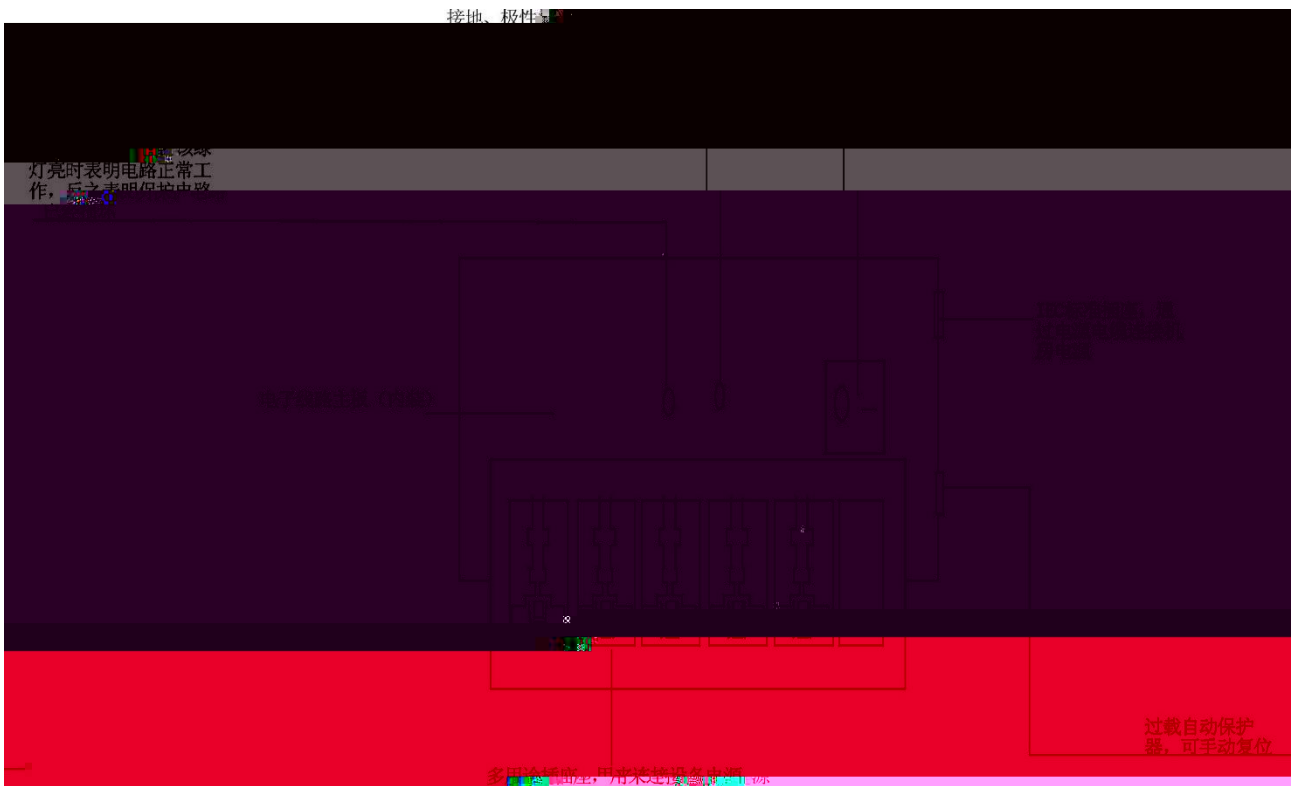
| | | | | |
|-----------------|------|--|-------|------|
| Mini-GBIC-LH40 | 1310 | | 9/125 | 40km |
| Mini-GBIC-ZX50 | | | | 50km |
| Mini-GBIC-ZX80 | 1550 | | 9/125 | 80km |
| Mini-GBIC-ZX100 | | | | |

| | | | | | | | | | |
|--|--|--|----|------|------|--|--|--|--|
| | | | 50 | 2000 | 300m | | | | |
| | | | | 500 | 82m | | | | |
| | | | | 400 | 66m | | | | |

XG-SFP

C —

C-1



-
-
-

PE

PE

PE

1)

2)

3)

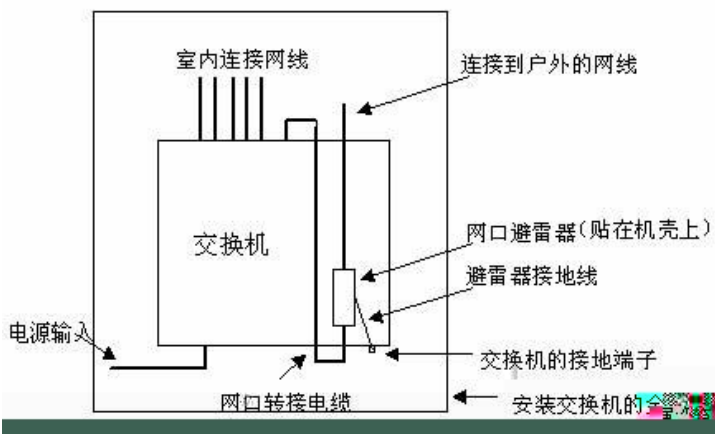
4)

OUT

IN

5)

C-2



10/100M

RJ-45



“IN”

“OUT”

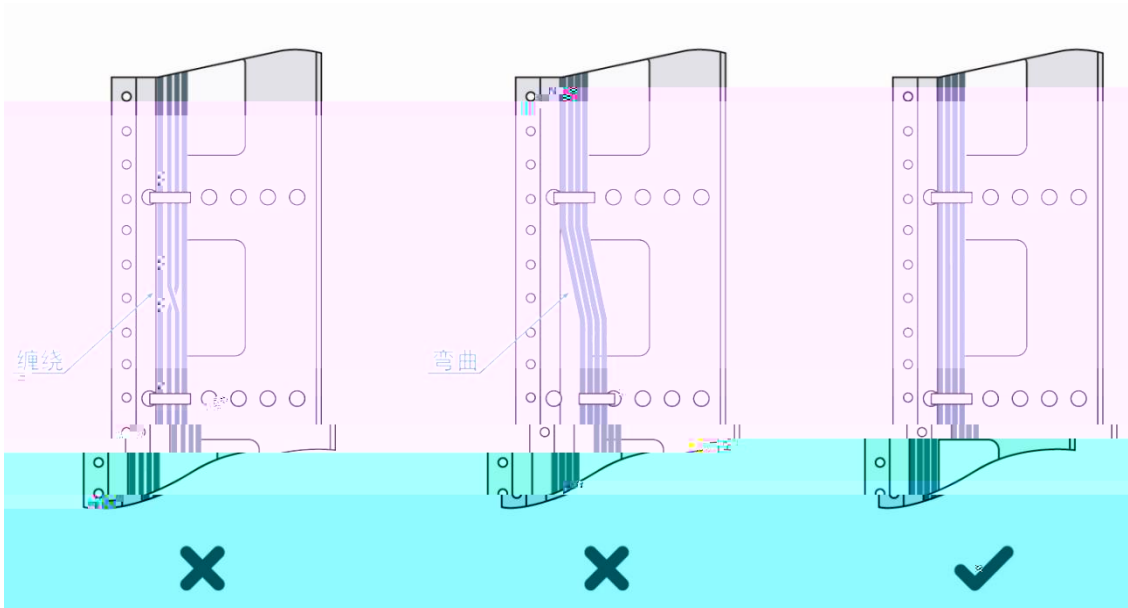


D —

RG-S5750-48GT/4SFP-P V5.0

19

- 5
- 7
- 7 10
- SFP+ 5 10
- 25
- 20
- 10
- 2AD6c,



■

30mm

■

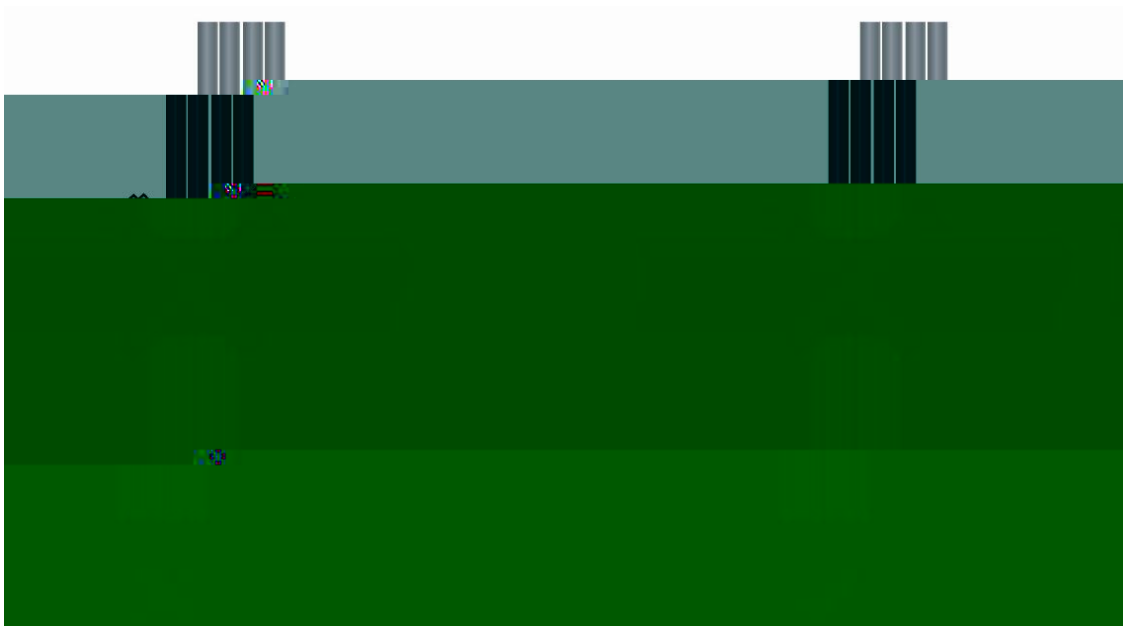
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D-2

D-2

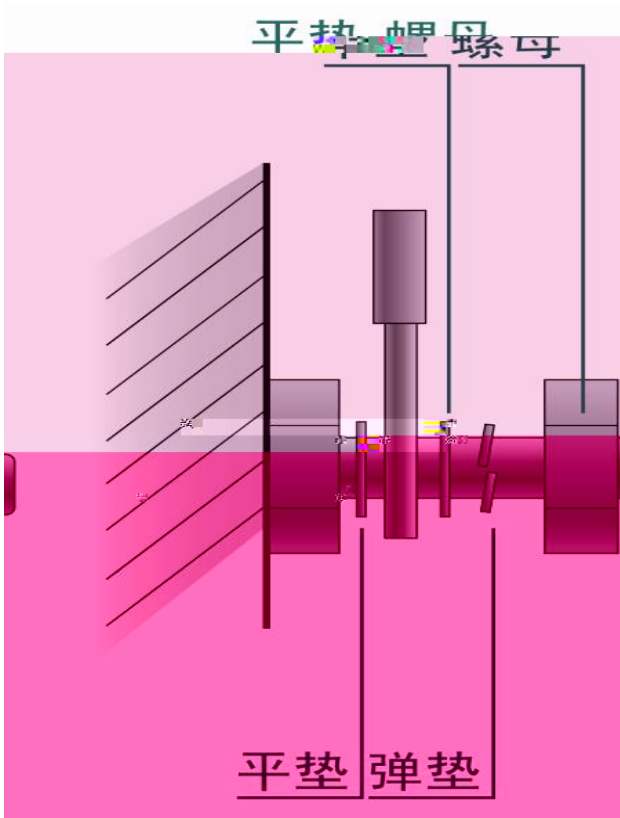


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D-3

D-8





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-
-
-

| mm | mm |
|-------|---------|
| 10 | 80~150 |
| 10~30 | 150~200 |
| 30 | 200~300 |

-
-

E ———

- 3.7km 5km 2km
- 3.7km
-
-
-
-
-
-
- 600mm
-
-
-
-
-