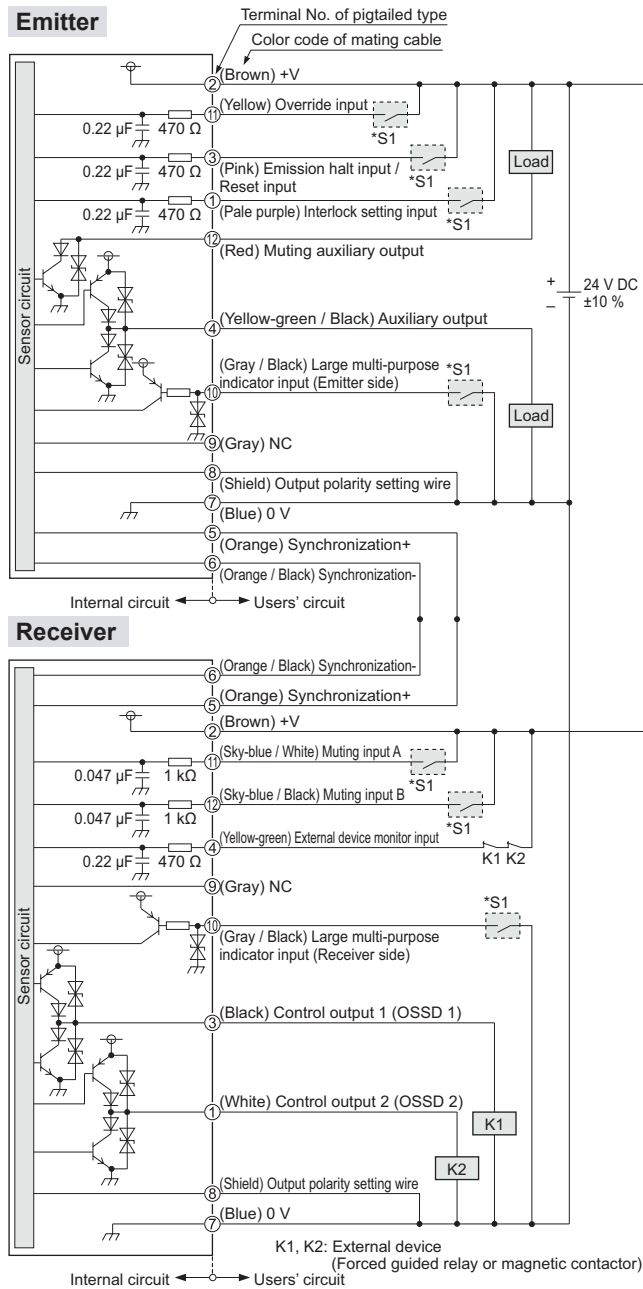


SF4B-□CA-J05

Pigtailed type (with muting function)

I/O circuit diagram

<In case of using I/O circuit for PNP output>



*S1

Switch S1

- Emission halt input / Reset input
For manual reset

Vs to Vs - 2.5 V (sink current 5 mA or less): Emission halt (Note), Open: Emission
For automatic reset

Vs to Vs - 2.5 V (sink current 5 mA or less): Emission (Note), Open: Emission halt

- Interlock setting input, Override input, Muting input A / B, External device monitor input

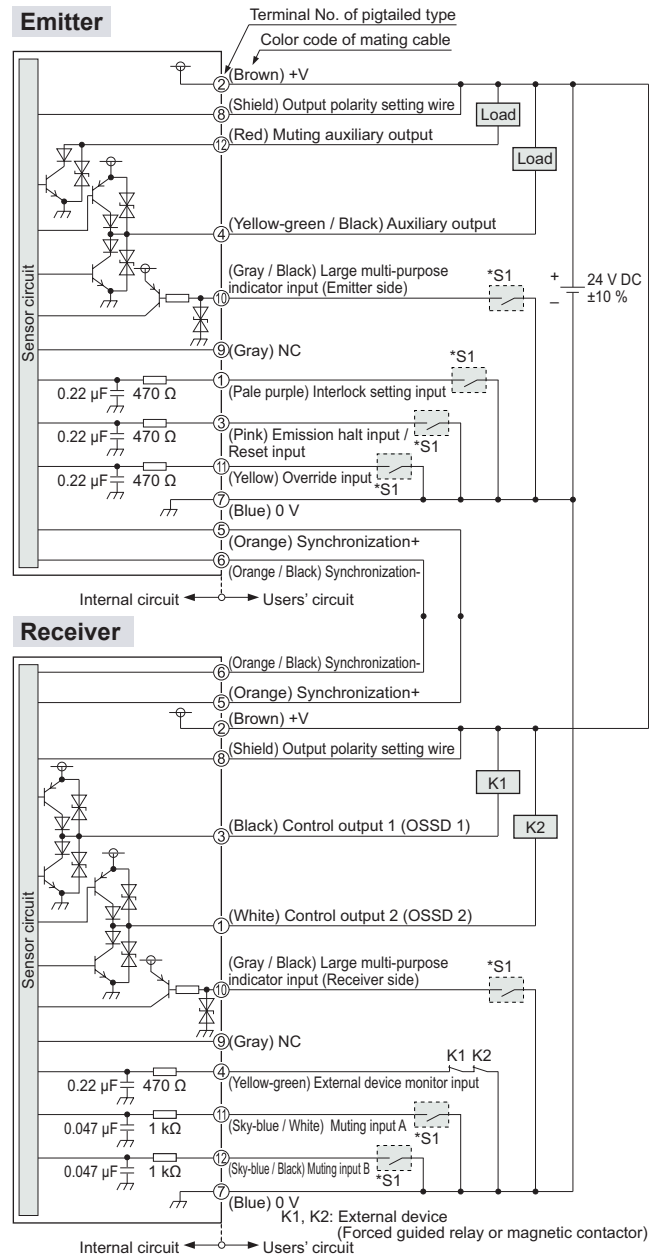
Vs to Vs - 2.5 V (sink current 5 mA or less): Valid (Note), Open: Invalid

- Large multi-purpose indicator input

0 to +1.5 V (source current: 5 mA or less): Lights up, Open: Turn OFF

Note: Vs is the applying supply voltage.

<In case of using I/O circuit for NPN output>



*S1

Switch S1

- Emission halt input / Reset input
For manual reset

0 to +1.5 V (source current 5 mA or less): Emission halt, Open: Emission
For automatic reset

0 to +1.5 V (source current 5 mA or less): Emission, Open: Emission halt

- Interlock setting input, Override input, Muting input A / B, External device monitor input

0 to +1.5 V (source current: 5 mA or less): Valid, Open: Invalid

- Large multi-purpose indicator input

0 to +1.5 V (source current: 5 mA or less): Lights up, Open: Turn OFF

I/O CIRCUIT AND WIRING DIAGRAMS

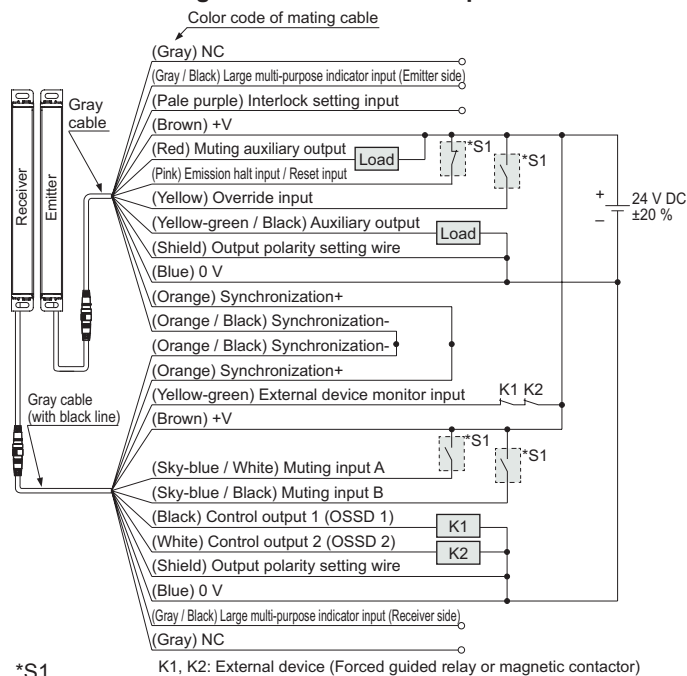
SF4B-□CA-J05

Pigtailed type (with muting function)

Connection example

Muting control components: Interlock function “disabled (automatic reset)”, external device monitoring function “enabled”

<In case of using I/O circuit for PNP output>

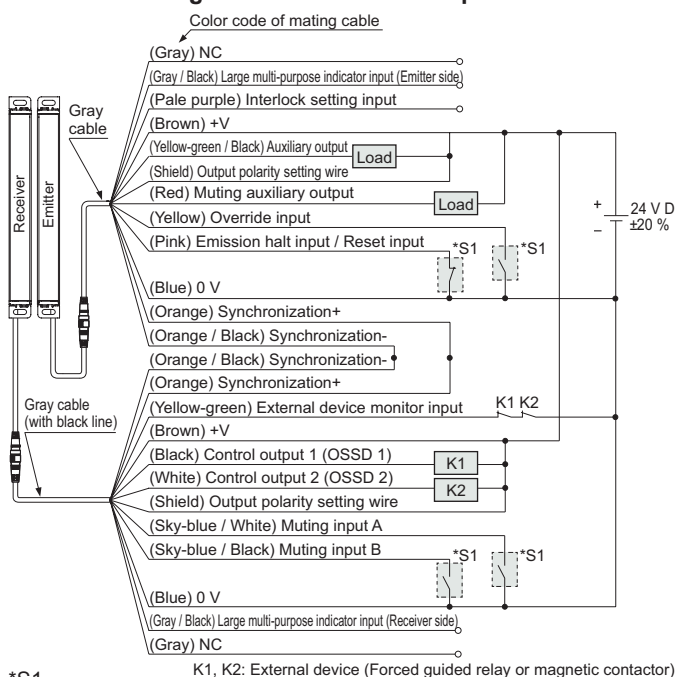


Switch S1

- Emission halt input / Reset input
 - For automatic reset Vs to Vs - 2.5 V (sink current 5 mA or less): Emission (Note)
 - Open: Emission halt
 - For manual reset Vs to Vs - 2.5 V (sink current 5 mA or less): Emission halt (Note)
 - Open: Emission
- Muting input A / B, Override input
 - Vs to Vs - 2.5 V (sink current 5 mA or less): Valid (Note), Open: Invalid

Note: Vs is the applying supply voltage.

<In case of using I/O circuit for NPN output>



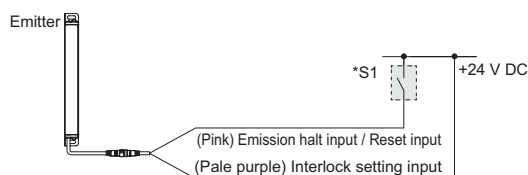
Switch S1

- Emission halt input / Reset input
 - For automatic reset 0 to +1.5 V (source current 5 mA or less): Emission, Open: Emission halt
 - For manual reset 0 to +1.5 V (source current 5 mA or less): Emission halt, Open: Emission
- Muting input A / B, Override input
 - 0 to +1.5 V (source current: 5mA or less): Valid, Open: Invalid

The diagram at left shows the configuration when using PNP output, interlock function “disabled (automatic reset)” and external device monitoring function “enabled”.

In case of setting the interlock function to “enabled (manual reset)”

- When the interlock function is set to “Enable (manual reset),” the override function cannot be used.



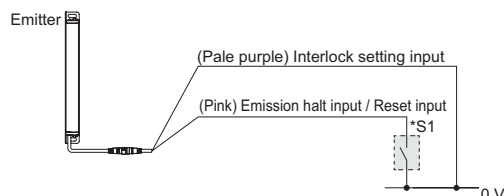
In case of setting the external device monitoring function to “disabled”



The diagram at left shows the configuration when using NPN output, interlock function “disabled (automatic reset)” and external device monitoring function “enabled”.

In case of setting the interlock function to “enabled (manual reset)”

- When the interlock function is set to “Enable (manual reset),” the override function cannot be used.



In case of setting the external device monitoring function to “disabled”

