



## INTERLOCK JUNCTION BOX

# SKI-2.0



**Revision:** rev. A  
**Date:** 11.11.2025.

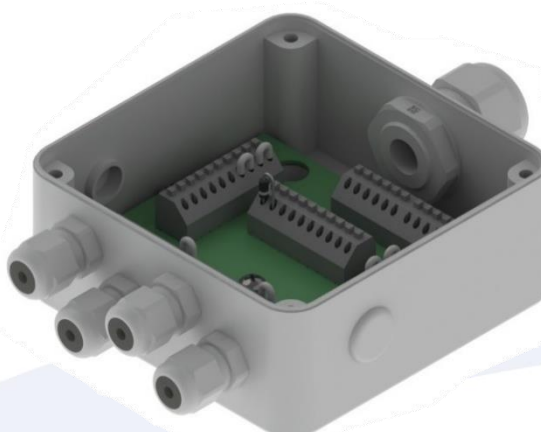
## Interlock junction box SKI-2.0 - C00002131

The interlock junction box is used to connect interlock components placed on the door, such as semaphores, magnetic door sensors, electromagnetic locks, etc. to the interlock control cabinet. The junction box has 4xM12 and 1xM20 cable glands and two spare holes with diameter of 12mm, sealed with rubber plug. Cable glands M12 are used for semaphores, magnetic door sensors and electromagnetic locks. The M20 cable gland is used for the cable from the control cabinet. M12 cable glands can be added to the spare holes if required (e.g., for double-leaf doors where each leaf has its own door status sensor, when using an external door unlock push button, etc.).

| CABLE GLAND M12 |            |
|-----------------|------------|
| Cable diameter  | 3 – 6,5 mm |
| CABLE GLAND M20 |            |
| Cable diameter  | 6 – 14 mm  |

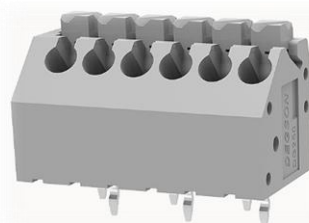
*Cable diameter range for cable glands M12 and M20*

Inside the junction box terminals X1, X2, X3, X4 and X5 are placed.



*Junction box SKI-2.0 without lid*

The cable from the control cabinet is connected to terminals X1. Components such as door status sensors, electromagnetic lock, and door unlock push buttons are connected to terminals X2. Terminals X3 and X4 are used for connecting semaphores. Terminals X5:1 and 2 are used for connecting a protective (flyback) diode, while X5:A and B can be used as a bus, for example, to supply power for contactless switch.



*6-pole terminal*

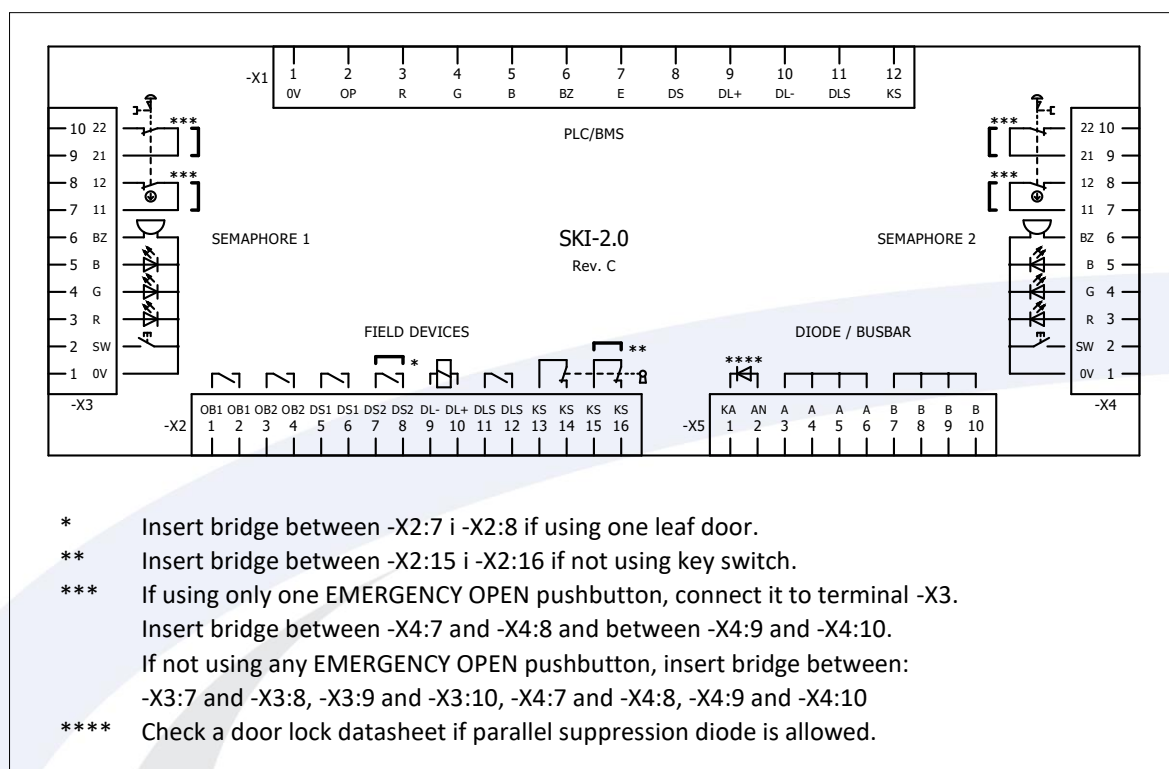
No tool is required to connect solid conductors or fine-stranded conductors with ferrules. A flat-blade screwdriver 3,5x0,5 is required for disconnection.

|                                      |                             |
|--------------------------------------|-----------------------------|
| Terminal type                        | Push-in (push button)       |
| Rated current                        | 10 A                        |
| Solid conductor                      | 0,2 ... 1,5 mm <sup>2</sup> |
| Fine-stranded conductor with ferrule | 0,25 ... 1 mm <sup>2</sup>  |
| Strip length                         | 8-10 mm                     |

*Technical characteristics of terminals*

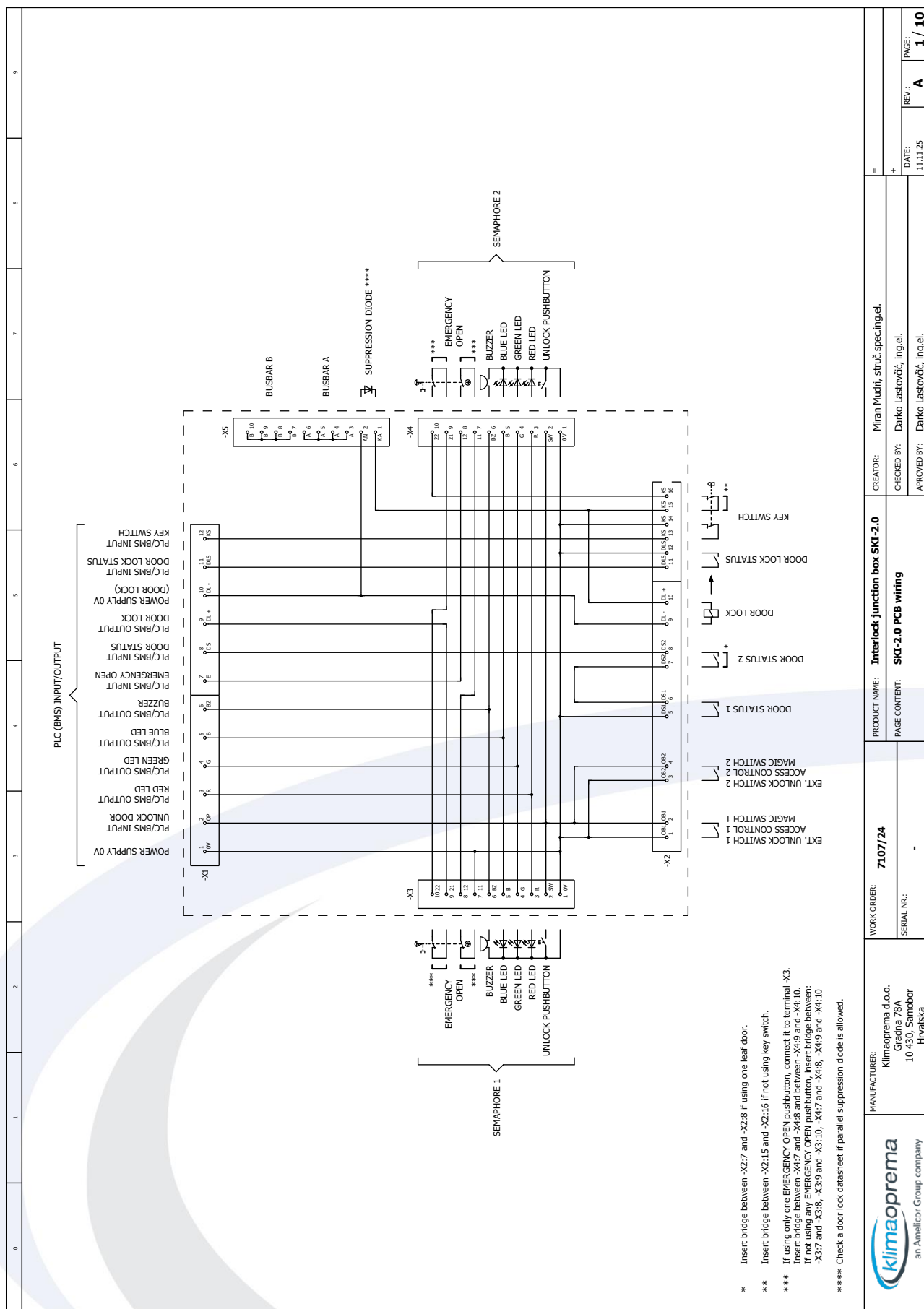
The junction box comes with jumpers (6 pcs.) and a protective diode. The jumpers should be installed/removed depending on what is connected to the junction box. The protective diode can be removed if necessary, if the electromagnetic lock requires it (check the electromagnetic lock data sheet).

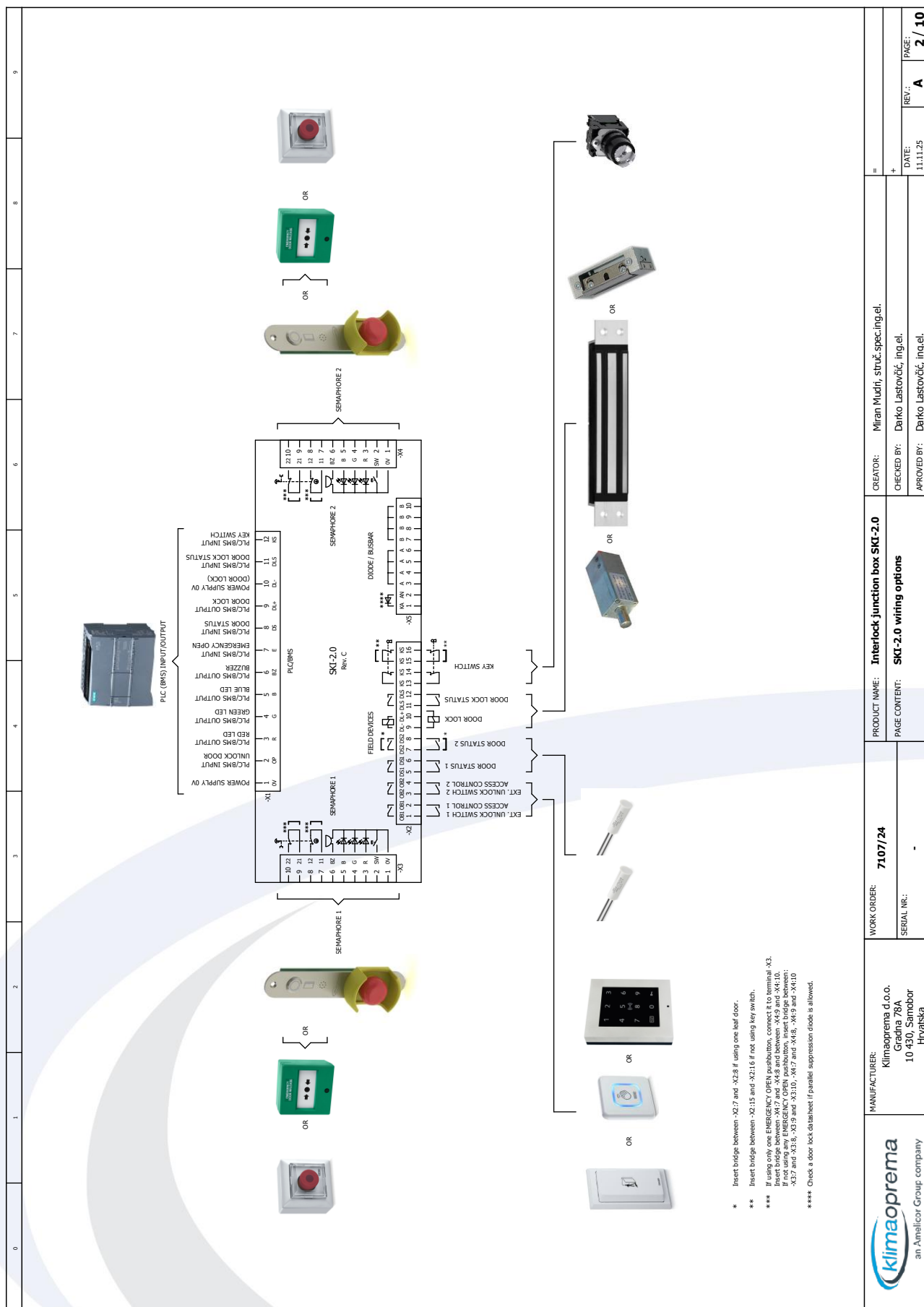
On the inside of the junction box lid, there is a label showing the terminal layout and instructions for installing jumpers.



*Label on the inside of the junction box lid*

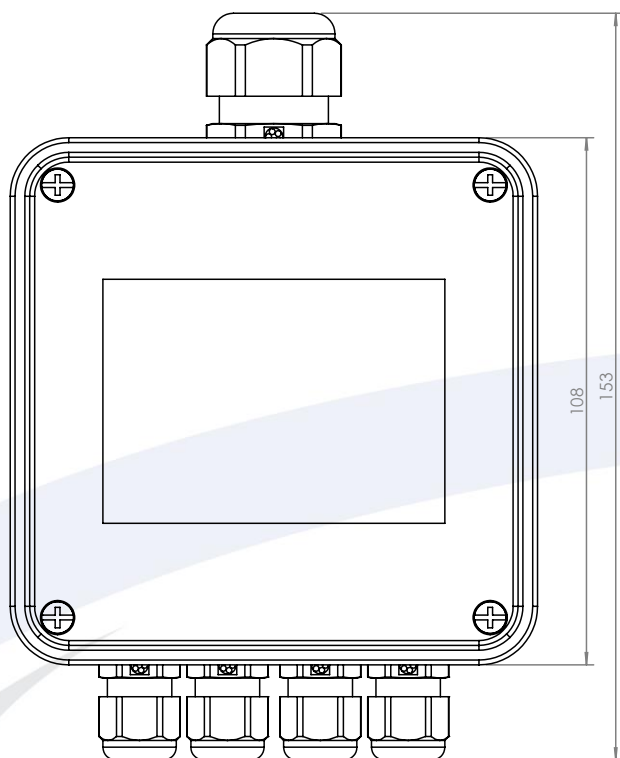
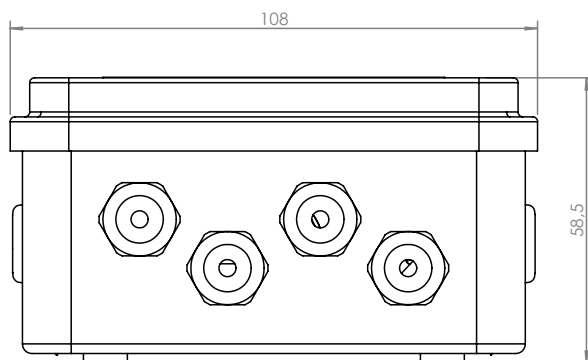
Attached below is the schematic of the junction box PCB, the options for connecting interlock components to the junction box, and an example of the wiring diagram for one door.







## Interlock junction box dimensions



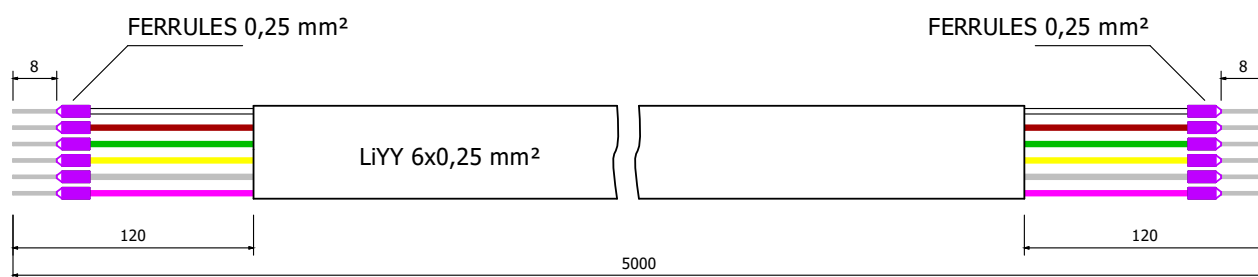
*Interlock junction box SKI-2.0 dimensions*



## Accessories

### Semaphore cable SL-xx 6P - 10071192

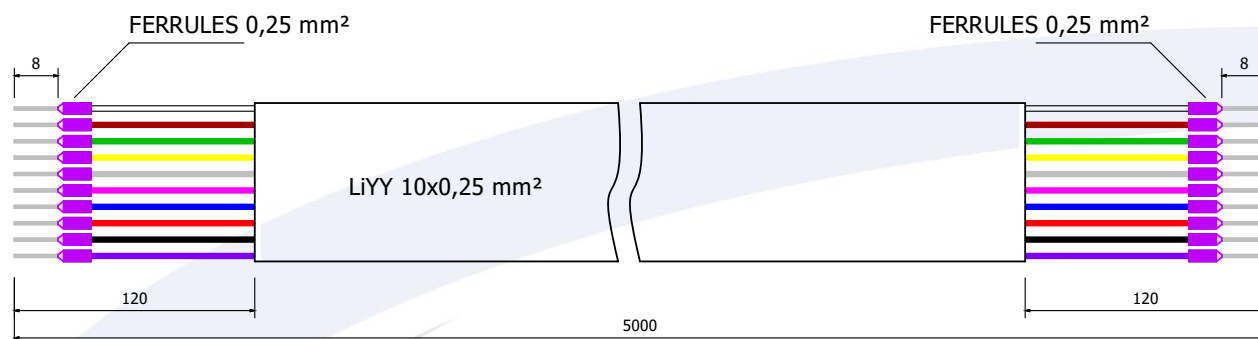
The cable is used to connect semaphores without an emergency push button (SL, SL-S) and the junction box.



*Semaphore cable SL-xx 6P*

### Semaphore cable SL-xx 10P - 10071193

The cable is used to connect semaphores with an emergency push button (SL-E, SL-SE) and the junction box.

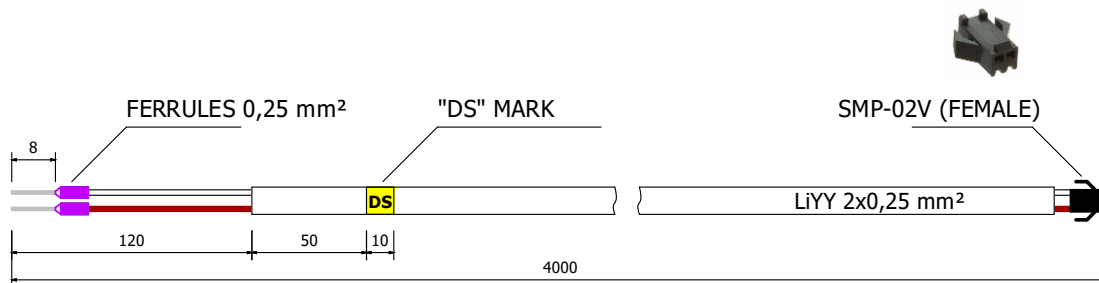


*Semaphore cable SL-xx 10P*



## Cable „DS“ for magnetic door sensor - 10071190

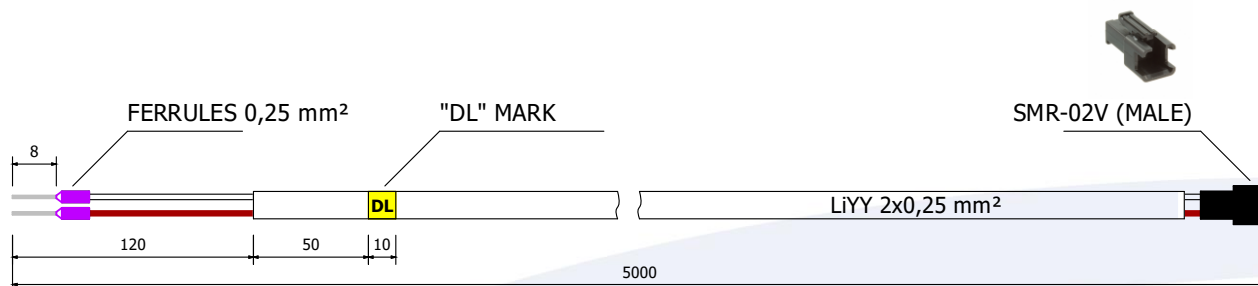
The cable is used to connect the magnetic door sensor and the junction box.



*Cable „DS“ for magnetic door sensor*

## Cable „DL“ for electromagnetic lock - 10071191

The cable is used to connect the electromagnetic lock and the junction box.



*Cable „DL“ for electromagnetic lock*