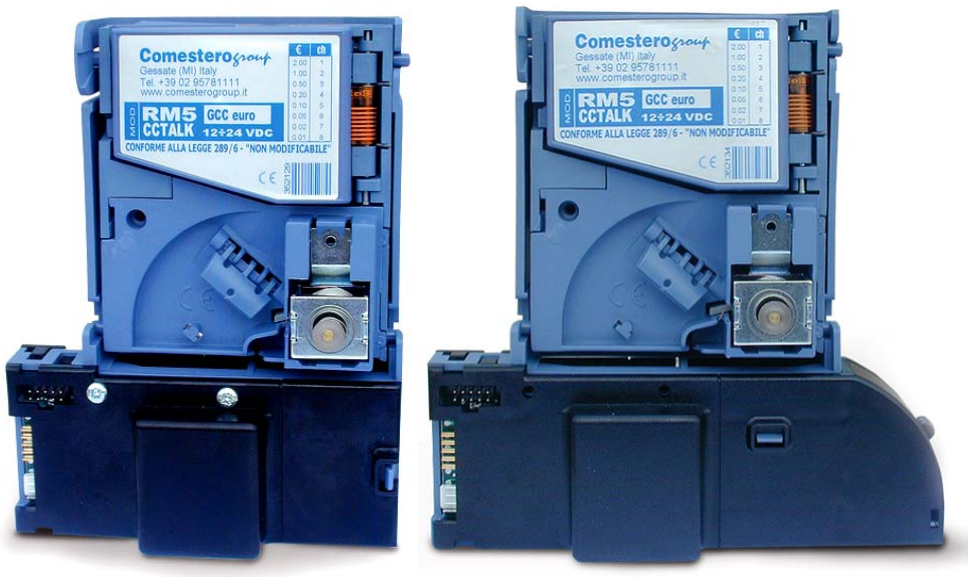
Comestero group

*Progettazione, produzione e distribuzione di sistemi di pagamento e controllo denaro. Accessori per macchine a moneta.*

# SEPARATORS

## "OPERATING MANUAL"

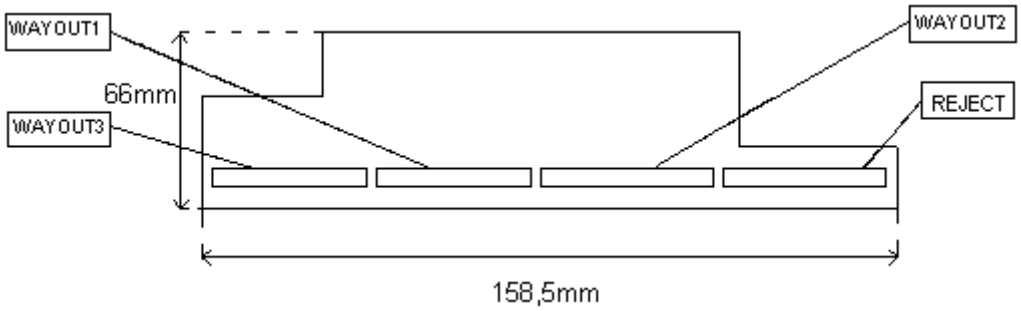



## SEPARATORS

The new Comestero three way plus rejection separator RM5 dedicated is available in two different models conceived for the G version and in a third one conceived for the F version. All of them endowed with three separating wayouts plus a fourth one dedicated to the rejected coins.
The SPS31LCC3 model (see figure A) has four outputs in line, to be dedicated to the coins to be separated and to the rejected ones.
The models SPS31SCC3 (see figure B) and SPS300CC3 (see figure C) offer three coin outputs in line dedicated to the coin separating function whereas the wayout dedicated to the rejected coins is placed in parallel to the last separating wayout.

Fig. A

**SPS31LCC3**




*Frontal view*

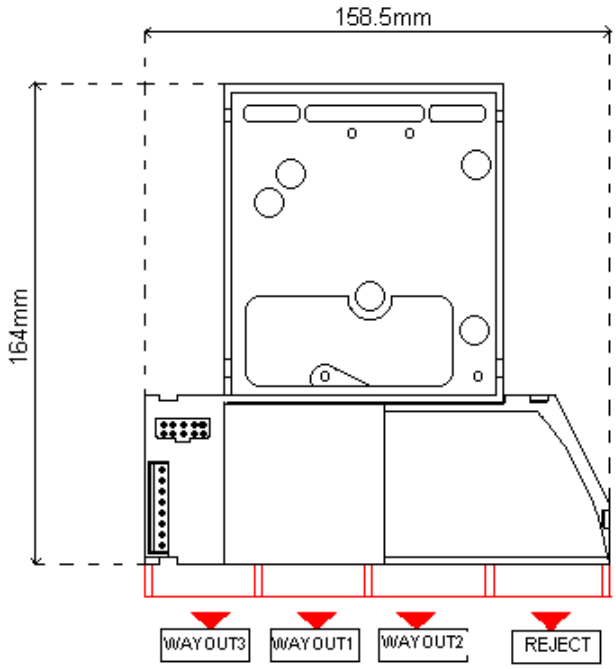
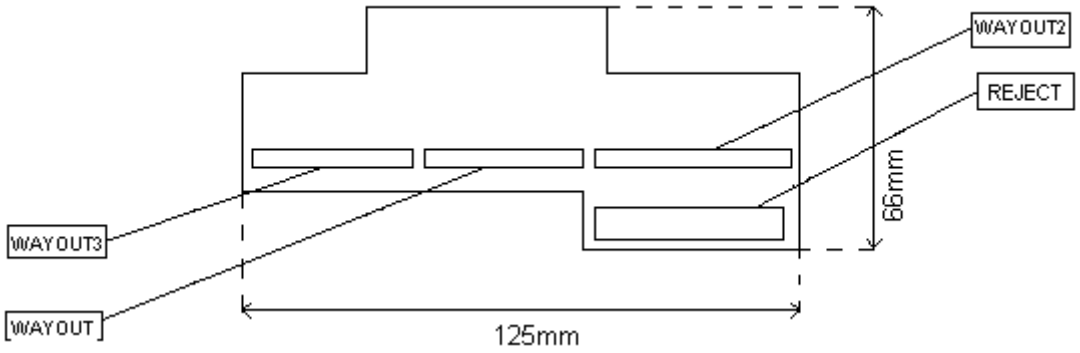


Fig. B

**SPS31SCC3**




*Frontal view*

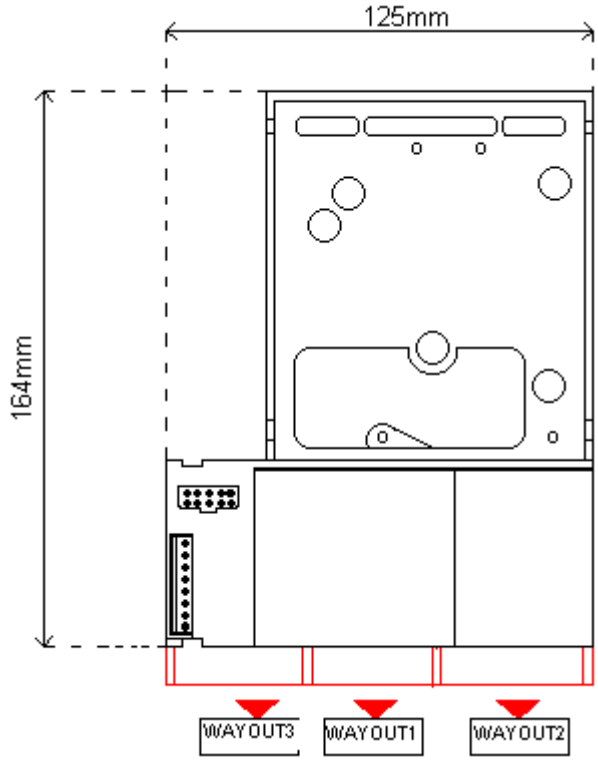
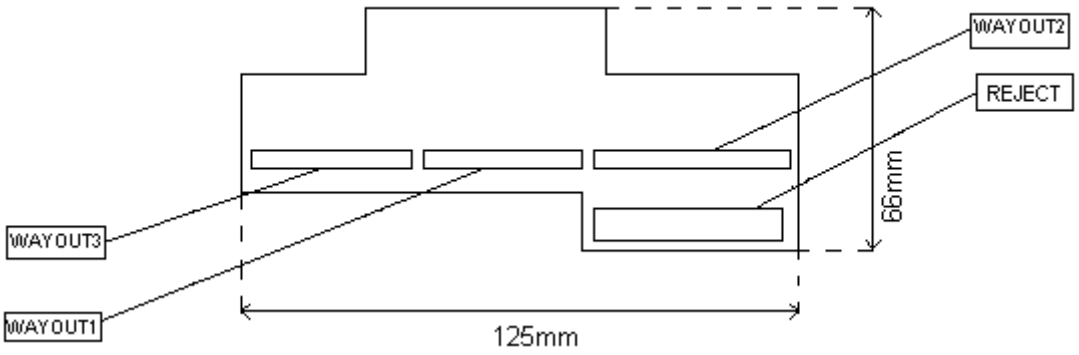
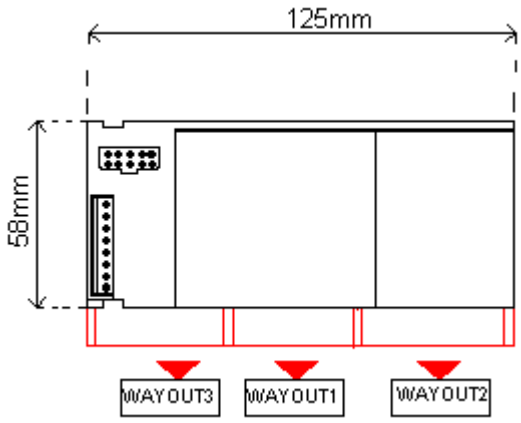


Fig. C

**SPS300CC3**




*Frontal view*




## MANAGEMENT OF THE SEPARATING WAYOUTS DEDICATED TO RM5 EVOLUTION

The coin separating wayout selections is managed directly by the RM5 coin mechanism. Starting from the coin mechanism with the firmware version 3.05 (as reported into the dedicated label) the management setting of the coin separator has to be made through the CLONE5 program (in the version 1.5.0 and following ones) which presents, beside each coin channel, the function SEP. with which has to be set the falling position of each coin as per the following instructions:

- Setting “0” the coin separator has not been activated
- Setting “1” no coil is activated and the coin falls through output 1
- Setting “2” the coil relevant to wayout 2 is activated
- Setting “3” the coil relevant to wayout 3 is activated

As per the coin mechanisms with a firmware version previous to the 3.05, the coin wayout selection is not editable (fixed)

- The coin set on channel 1 falls through the wayout 1
- The coin set on channel 2 falls through the wayout 2
- The coin set on channel 3 falls through the wayout 3

## MANAGEMENT OF THE SEPARATING WAUOUTS DEDICATED TO THE RM5 CCTALK COIN MECHANISM

As for this coin mechanism up-right the separator management is linked to the Header 210 poll (modify sorter paths) which allows to address the separating wayouts accordingly to the customer necessities as per the following scheme:
- Setting the value 1 the coin falls into the output 1
- Setting the value 2 the coin falls into the output 2
- Setting the value 3 the coin falls into the output 3

## INSTALLATION

*Support dedicated to the vertical introduction.*
**INSTALLING THE SPS31LCC3 AND SPS31SCC3.**

As per the G version coin mechanism with the separator, is enough framing it into the dedicated “U” shaped support through the four fixing hinges featuring the coin mechanism. The fixing operation can be carried out into two different modalities:

- On the wall by fixing the provided screws into the dedicated coin separator holes (see figure D).
- Hanging through the six different upright introduction supports available.(see figure E).

In this case the two inserts (A and B) has to be placed into the dedicated buttonholes in the upper side of the coin separator and fixed through two provided screws.

Fig. D

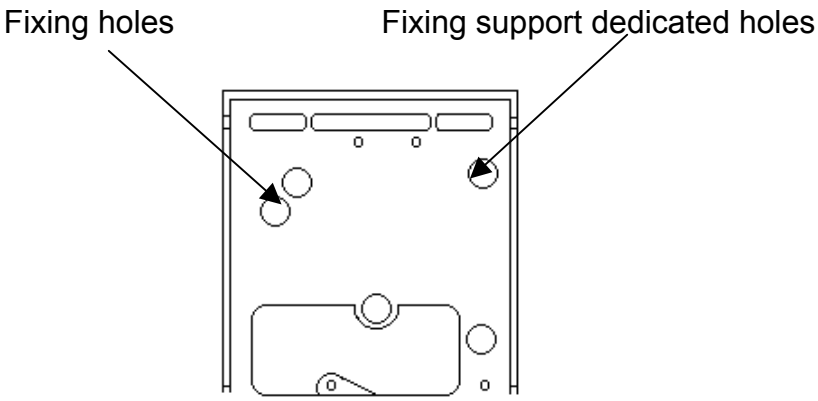
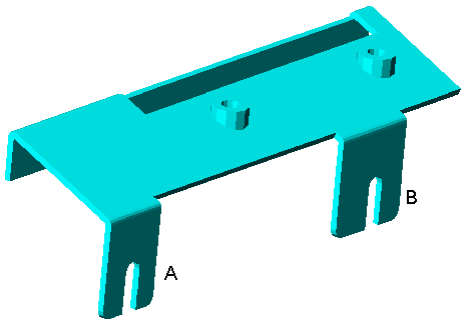



Fig. E Topcoin entry up-right dedicated support



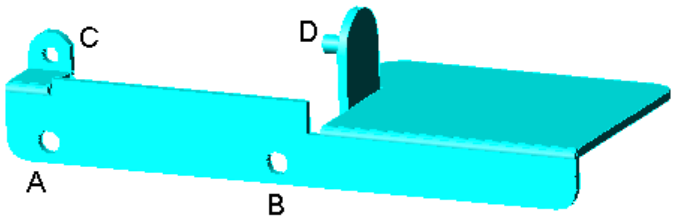
List of the available up-right introduction supports.

- Industrias Lorenzos leaning coin introduction  with push bottom
- Industrias Lorenzos leaning coin introduction 180° twisted with push bottom
- Industrias Lorenzos coin introduction in plane position.
- Industrias Lorenzos coin in plane position 180° twisted.
- SUZO leaning coin introduction with push bottom.
- SUZO leaning coin introduction.

**INSTALLING SPS300CC3 MODEL.**

As per the installation of the coin mechanism in the F version, is necessary to use the dedicated fixing plate (figure F) and at this stage the coin mechanism and the coin separator will be fixed to the machine through the coin mechanism front plate.
The fixing plate has to be applied to the separator through two provided screws to be inserted into the dedicated holes (A and B); the coin mechanism has to be fixed to the metallic support through the fixing hinge (D) and third provided screw to applied into the C hole.

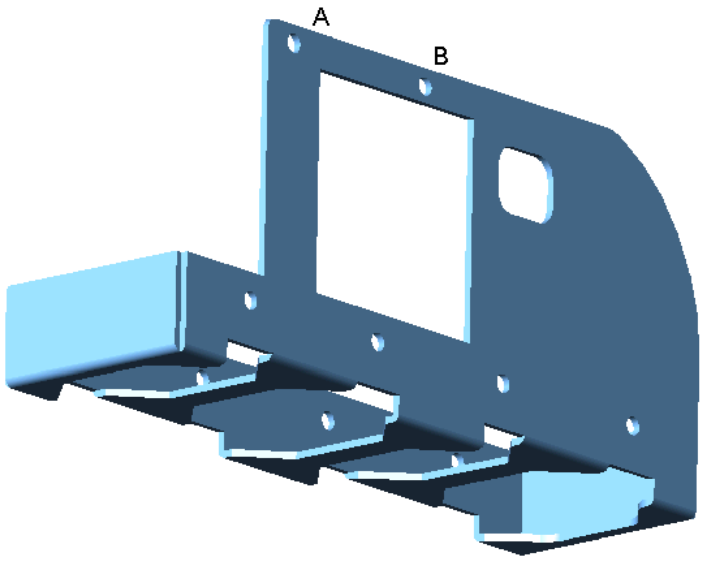
Fig. F Fixing plate




**TUBE SUPPORT**

To the coin separator models, can be applied a tube support (see figure G). It's particularly easy to be installed for it is enough to fix it to the separator by means of the two provided screws to be applied into the holes A and B.

Fig. G



## CONNECTING SCHEME

The separators are produced in two different versions according to the diferent customer necessities:
- 10 pin connecting terminal (Fig.1).
- 4 pin connecting terminal (Fig.2).

The RM5 coin emchanisms are connected to the A connector through the ten pin flat cable provided with the coin mechanism and the coin separator is connected to the gaming machine CPU board in three different ways:
- through the connecting terminal (B);
- through the 10 pin connector (C);
- through the 4 pin connector (D),

As for the Cctalk coin mechanism it will be enough connecting the coin mechanism to the coin separator by mean of the 10 pin flat cable into the A connector; The power supply to the coin separator will be provided directly form the coin mechanism connected to the CPU board by mean of the CCTalk cable provided jointly with the coin mechanism.

Fig.1

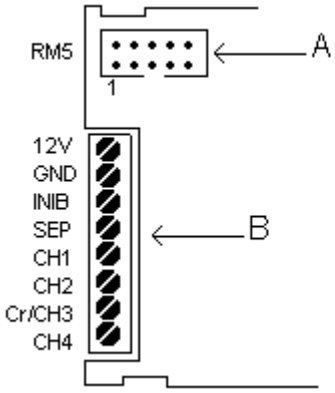
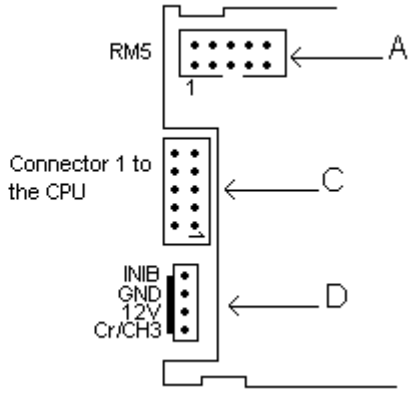



Fig.2




## CONNECTOR SPECIFICATIONS

RM5 CONNECTOR AND CONNECTOR 1

| Pin | Direzione | Segnale |
|---|---|---|
| **1** | - | GND |
| **2** | - | +12 VDC |
| **3** | OUTPUT 2 | SEPARATOR. |
| **4** | OUTPUT 3 | SEPARATOR |
| **5** | | NOT USED. |
| **6** | | INHIBIT |
| **7** | | CHANNEL 1 |
| **8** | | CHANNEL 2 |
| **9** | | CHANNEL 3 |
| **10** | | CHANNEL 4 |