

SC 5500 SC 5500V

Digital Control Conference System

The SC 5500 conference system is designed for managing the various speeches made in conference and convention settings.

The system also includes a "Voting" function (available using the BM 5051-V MK II and BM 5052-V MK II microphone stands) which provides a fast and simple means of voting on any issue being discussed.

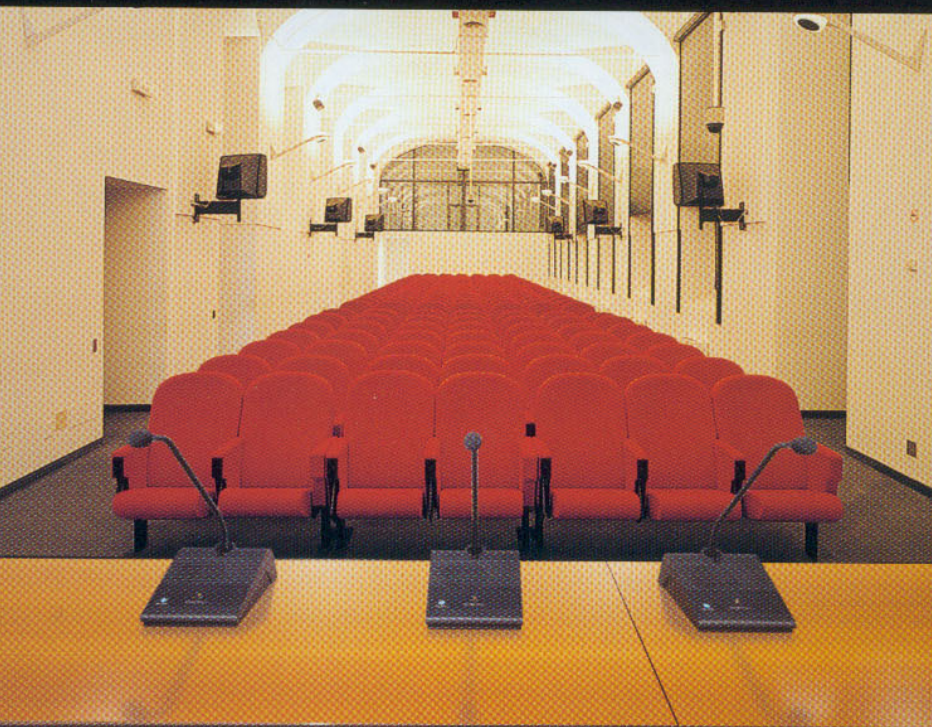
A universal input for audio sources such as auxiliary microphones or wireless microphones, etc., can operate in mixed mode with the participants' and chairman's microphone stands.

This makes it possible for persons in the audience to speak, as well as for voice messages to be transmitted within the system by the secretary or participants.

The SC 5500 system can also be handled by a personal computer with the aid of a simple programme operating in WINDOWS®. Using a PC and printer, you can have a printout of the duration of each speech in CONFERENCE mode, and in VOTING mode a printout of the voting report, with the possibility for the operator to enter the subject of the voting and any comments.

Software support

All the system functions can be controlled by a special software programme which operates in WINDOWS®. This easy-to-use programme reproduces all the controls and functions of the central console, and also enables a number of personalized functions,



such as the association of a name or abbreviation to each participant, or storage of the voting results in a file or on a printout.

When the computer is used, it is also possible to have the results stored in a file in open mode voting.

The programme is provided complete with the interface for controlling the TB 5000 display board.

When a printer is available and the system is in CONFERENCE mode, a printout can be made of the duration of each speech.

In VOTING mode, a personalized voting report can be printed out including the subject of the vote and any comments.

For open voting, the report also contains the names of the voters divided according to the preferences expressed.

General characteristics of the system

■ 1) The system can be composed of a maximum of 64 microphone stands (63

for participants + 1 for the chairman).

■ 2) The structure of the system must include two groups of stands headed by the CG 5010 control console; in each group the stands are connected to each other in series.

■ 3) The series connection of the microphone stands is made using a single multipolar cable which carries the audio signals, power supply, and control signals.

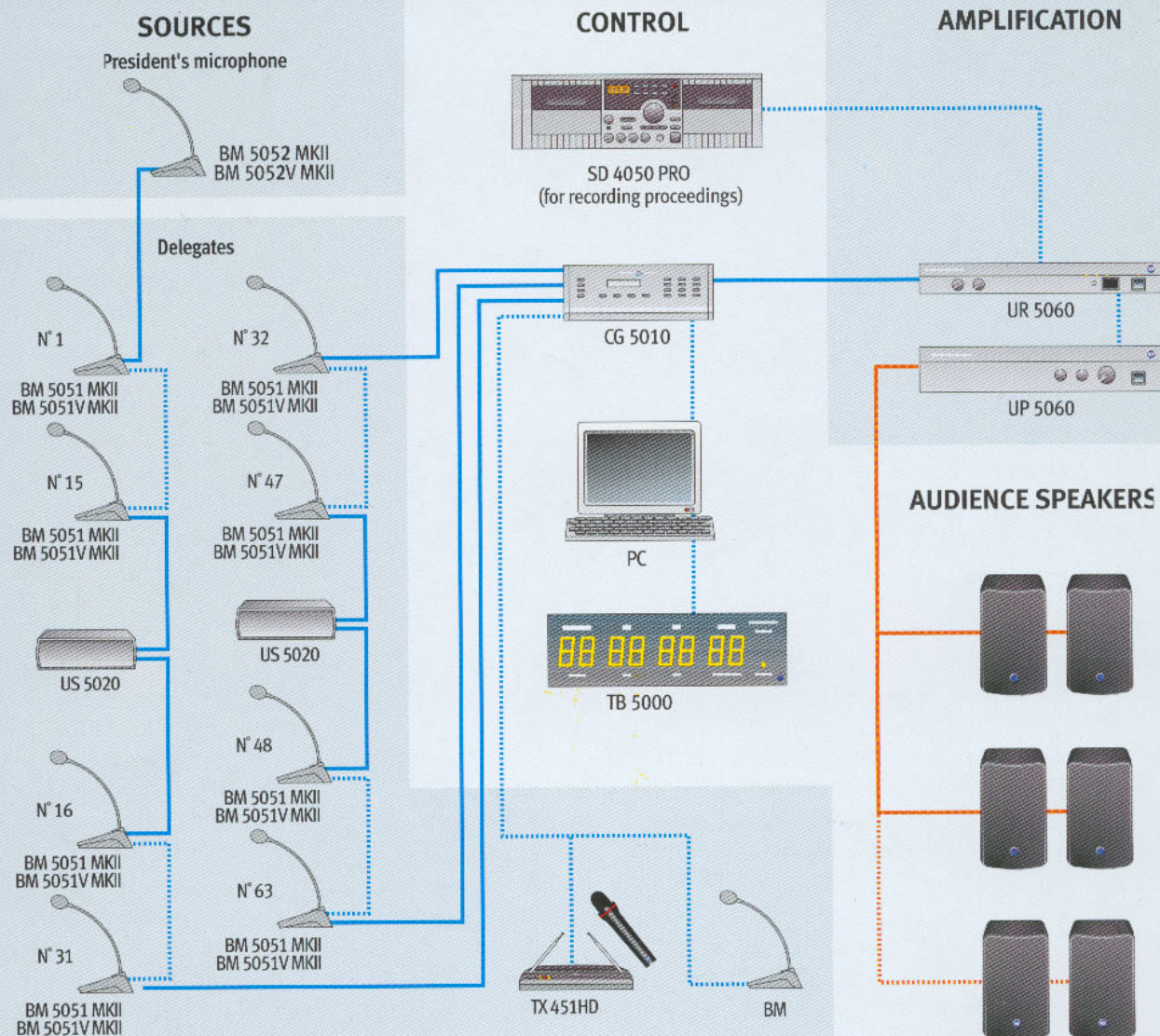
■ 4) In each of the two groups of microphone stands headed by the CG 5010 control console, there must be a US 2050 adder unit whenever:

• a) the number of stands is greater than 12. In this case, the adder unit must be inserted after half the stands of the series. For example, considering a system with two groups of 20 stands headed by the CG 5010 console, a US 5020 adder unit must be inserted after the first

10 stands of each group. We recommend using one US 5020 for each line of 10-12 microphone stands.

• b) the total length of all the cables that connect the stands in series exceeds 80 metres. This condition occurs when the standard length AC 5040 and AC 5041 cables are not used. In this case, the US 5020 adder unit must be inserted after a total cable length of about 80 metres. Obviously, these indications are of a general nature, and the use of the adder unit must be evaluated according to the specific characteristics of the system in question.

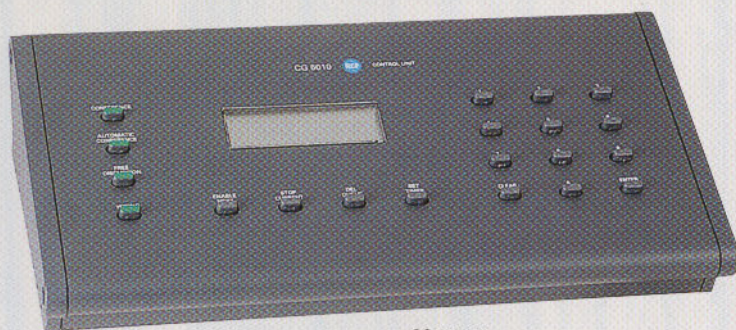
■ 5) The only equipment that requires connection with the mains at 115/230 Vac are the UR 5030 receiver unit and any US 5020 adder units present.



SC 5500 / SC 5500V LIST OF COMPONENTS

| | |
|-------------------|--|
| ■ CG 5010 | Control unit |
| ■ BM 5051 MK II | Delegate microphone |
| ■ BM 5051-V MK II | Delegates' microphone with voting option |
| ■ BM 5052 MK II | Chairman's microphone |
| ■ BM 5052-V MK II | Chairman's microphone with voting option |
| ■ US 5020 | Adder unit |
| ■ UR 5060 | Receiver unit |
| ■ TB 5000 | Illuminated display board |
| ■ AC 5040 | 2-meter cable. Connectors for BM 5051 MKII-to-BM 5052 MKII / BM 5051-VMKII-to-BM 5052-VMKII to CG 5010 and UR 5060 |

| | |
|-----------|---|
| ■ AC 5041 | 4-meter version of AC 5040 cable |
| ■ AC 5042 | 10-meter cable. Connectors for CG 5010 to UR 5060 |
| ■ AC 5043 | 10-meter cable. Connectors for BM 5051 MKII-to-BM 5052 MKII |
| ■ CA 5000 | 10-meter multipolar cable without connectors for BM 5051 MKII-to-BM 5052 MKII/BM 5051-VMKII to-BM 5052-VMKII to CG 5010 and UR 5060 |
| ■ CM 5050 | 15-pin <i>male</i> DIN cable connector for connections between CG 5010 and UR 5060 using CA 5000 cable |



CG 5010

CG 5010 Control unit

The microprocessor incorporated in the console is the heart of the SC 5500 system, as it continuously controls the status of all the microphone stands and maintains a memory of the queue of speakers, up to a maximum of 20 bookings.

The messages which appear on the console display can be shown in 5 different languages: Italian, English, French, German, and Spanish.

The CG 5010 is equipped with:

- a backlit alphanumerical liquid crystal display for keeping a check on the system functions even in low-light situations;
- a numerical keypad with four function keys used for setting one of the four system operating modes.
- two 13-pin DIN connectors for connecting the microphone stands;
- a 15-pin "D" connector for connecting the UR 5030 unit;
- a 7-pin DIN socket for connection

with a normal microphone stand or a wireless microphone, which can be mixed with the audio of the conference participant stands;

- potentiometer for regulating the input sensitivity of the above;
- a 9-pin "D" connector for linkup with a personal computer.

Four operating modes can be selected on the console:

1. Conference

The secretary seated at the console enables one speaker at a time. The speakers can be enabled in order of the booking list, with a maximum of 19 speakers in the queue, or enabled as desired by the secretary.

2. Automatic conference

As in CONFERENCE mode, only one speaker at a time is enabled but the succession of speakers is handled automatically according to the booking list, so that the conference proceedings can continue uninterrupted without the presence of the console operator.

Automatic enabling of the speakers

can be established according to a pre-defined time interval, or by the currently enabled speaker who simply presses the button on his microphone stand when he has finished.

When passing from CONFERENCE mode to AUTOMATIC CONFERENCE mode, the secretary must decide how to handle any speaker enabled to talk at that moment and/or any other speakers already booked.

3. Free discussion

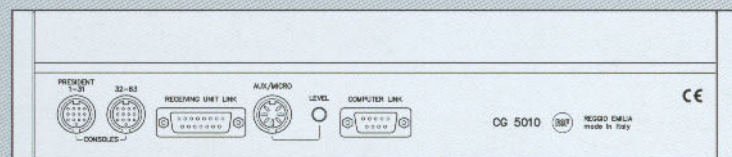
In this operating mode, any participant can talk in mixed mode with the other speakers enabled. The speaker activates his microphone by simply pressing the button on the stand.

4. Voting

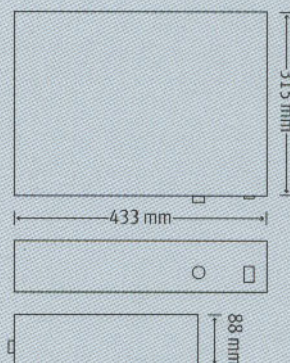
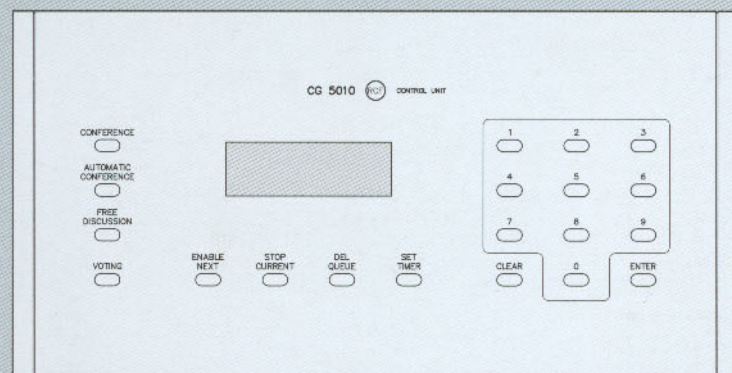
Using the BM 5051-V MK II and BM 5052-V MK II microphone stands, the chairman and participants can cast their votes using the dedicated keys.

SPECIFICATIONS CG 5010

| | |
|---|------------------------|
| Outputs for microphone stands | Two 13-pin DIN |
| Number of stands connectable to each output | 32 + 32 (with US 5020) |
| Inputs / Sensitivity | |
| Max. voltage-Imped. | 1 AUX/MIC, DIN |
| mic: | 1mV-100 mV2 kΩ |
| line: | 65 mV-5V - 100 kΩ |
| Computer connector | RS 232- baud rate 4800 |
| Dimensions | 325 x 75 x 165 mm |
| Weight | 2 kg |
| Code no. | 125.10.017 |



CG 5010



SC 5500 AND SC 5500V SYSTEM MICROPHONE STANDS

The SC 5500 and SC 5500V systems handle up to 63 participant microphone stands and one chairman's stand. All the stands are equipped with:

- a booking key for requesting inclusion on the booking list and subsequent enabling according to the particular procedures of each operating mode;
- an LED that flashes to indicate that booking has been accomplished and which remains lit when the microphone is enabled;
- a microphone which is handled by the control console according to the operating mode selected;
- a loudspeaker which makes it easier for the participants to follow the current speaker and which switches off when the microphone on that stand is enabled;
- two 13-pin DIN connectors for connecting the stand to the previous and subsequent stands as well as to the control console.

The chairman's stand has two keys instead of the single one of the participant's stand. The first is used for priority intervention over any participants who may be speaking; the second is used for enabling the chairman's microphone mixed with the other current speakers without excluding them.

BM 5052 MK II



BM 5052 MKII

Code no. 125.10.065

Leader's microphone stand

The BM 5052 MKII stand is used for the conference chairman. The stand has a built-in loudspeaker which makes it easier to hear the

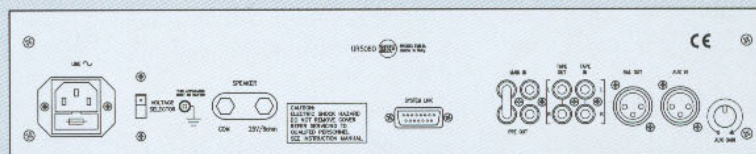
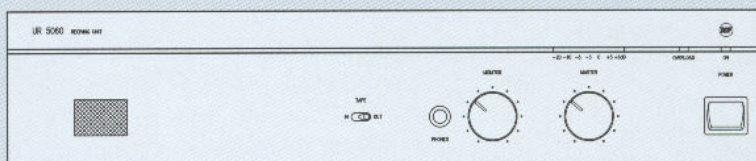
speeches of the other conference participants. The loudspeaker is excluded when the chairman's microphone is activated. The LED ring around the microphone unit lights up so that all the participants can see when the chairman's microphone is enabled.

UR 5060

Receiver unit

In addition to providing the power supply to the entire system, the UR 5060 receiver unit picks up the audio signals coming from the microphone stands, amplifies them and sends them to the loudspeakers on the stands. The UR 5060 is also equipped with:

- 60 W amplifier
- "MAIN IN" input
- "AUX IN" input
- "TAPE IN" input
- "BAL. OUT" output
- "PRE OUT" output
- "TAPE OUT" output
- monitor speaker with volume control
- LED VU-meter
- headphone jack
- "OVERLOAD" indicator light
- dual power supply in alternating current (115/230 Vac).



SPECIFICATIONS

| | UR 5060 Table-top receiver unit |
|----------------------------------|--|
| Nominal/maximum power | 60 / 90 W |
| Frequency response (-3 dB) | 50 - 15,000 Hz |
| Signal/noise ratio | TAPE IN: 90dB - AUX IN: 90 dB - MAIN IN: 95 dB |
| Inputs / Sensitivity - Impedance | TAPE IN: 350 mV - 12 kΩ (unbal.) AUX IN: 850-310 mV - 16kΩ (bal.) MAIN IN: 750 mV - 3.3 kΩ (unbal.) |
| Outputs / Voltage - Impedance | TAPE OUT: 1.8 V - 2 kΩ (unbal.) PRE OUT: 720 mV - 1 kΩ (unbal.) BAL OUT: 775 mV - 600 (bal.) PHONES: 1.5 V - 135 mV on 16 Ω |
| Speaker outputs | 25 V / 8 W |
| Monitor loudspeaker power | 1.5 W |
| Controls | Monitor loudspeaker volume - Master volume |
| Power supply / Consumption | 115/230 Vac (± 5%) - 50/60 Hz / 200 VA |
| Dimensions | 433 x 88 x 315 mm |
| Weight | 6.5 kg |
| Code no. | 125.10.062 |



BM 5051 MKII

BM 5051 MKII

Code no. 125.10.064

Delegates' microphone stand

The BM 5051 MKII stand is used for the conference participants.

The stand has a built-in loudspeaker which makes it easier to hear the speeches of

the other conference participants, but which is excluded when that microphone is activated.

The LED ring around the microphone unit lights up when the microphone is activated, so that all the conference participants can see those who are enabled to speak.



BM 5052/V MKII

BM 5051/V MKII

BM 5052/V MKII

Code no. 125.10.067

Leader's microphone stand with voting preference

BM 5051/V MKII

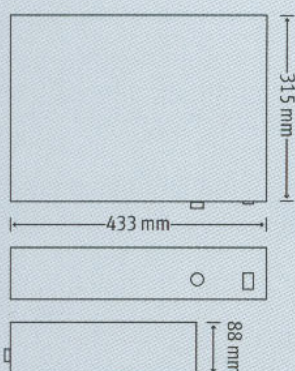
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Delegate's microphone stand with voting preference

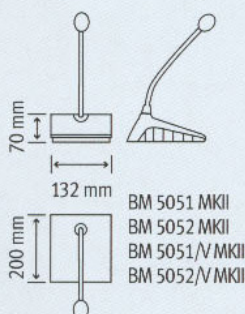
These stands are used as the participant's and chairman's positions, respectively, and have the same functions as the BM 5051 MKII and BM 5052 MKII with the addition of pushbuttons which are used for expressing preferences when the system is used in Voting mode.

The specific controls of the BM 5051/V MKII and BM 5052/V MKII stands include:

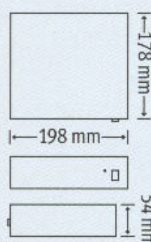
- "YES" button for expressing a vote in favour.
- "NO" button for expressing a vote against.
- "ABST." button for abstaining from the vote.
- "CANCEL" button to cancel or change a vote already expressed if the final vote count has not yet been made by the control unit operator.
- Key switch (only on the BM 5052-V MKII) for enabling the voting buttons. The key can be used for impeding voting without inhibiting the remaining functions of the stand.



UR 5060



BM 5051 MKII
BM 5052 MKII
BM 5051/V MKII
BM 5052/V MKII



US 5020

US 5020

Adder unit

Supplies the microphone stands and enables the system to reach maximum capacity (64 stands). It can be necessary to use the adder

unit when there are more than 12 stands or when the length of all the cables that interconnect the stands is greater than 80 metres.

| SPECIFICATIONS | BM 5051 MKII-BM 5052 MKII BM 5051/V MKII-BM 5052/V MKII |
|----------------|--|
| Microphone | Electret |
| Directivity | Unidirectional - Cardioid |
| Level control | Automatic -45 to 0 dB |
| Speaker power | 1 W |
| Dimensions | 132 x 70 x 200 mm (without gooseneck) |
| Weight | 1.5 kg |

| SPECIFICATIONS | US 5020 Adder unit |
|---------------------------------------|---|
| Inputs | One 13-pin DIN |
| Outputs | Three 13-pin DIN |
| Maximum connectable microphone stands | 16 stands total |
| Power supply/Consumption | 115/230 Vac (± 5%) - 50/60 Hz / 40 VA (in "ON" status) |
| Dimensions | 178 x 54 x 198 mm |
| Weight | 1.3 kg |
| Code no. | 125.10.026 |



TB 5000



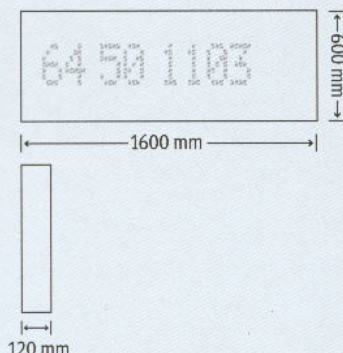
TB 5000

Lighted display board
(available on request)

The TB 5000 board can be used for displaying the following information:

- voting results
- the name (or associated number) of the participant enabled to speak
- the type of voting (open or secret ballot)
- the list of bookings in CONFERENCE and AUTOMATIC CONFERENCE modes

The TB 5000 can be connected to the



serial port of a personal computer and controlled by the programme supplied with the system.

SPECIFICATIONS

| | TB 5000 |
|-----------------|---|
| Material | Frame in black anodized aluminium Panel in glazed anti-reflection plexiglass |
| Text characters | Height 160 mm – colour: yellow |
| Power supply | 220 Vac |
| Absorption | 60 W |
| Dimensions | 1600 x 600 x 120 mm |
| Code no. | 125.10.029 |

SC 5000 / SC 5000V SYSTEM ACCESSORIES

AC 5040 - Code 125.10.020

Cable with connectors for connections between BM 5051 MKII - BM 5052 MKII - BM 5051/V MKII - BM 5052/V MKII - CG 5010 - US 5020, Length 2 metres.

AC 5041 - Code 125.10.021

Cable with connectors for connections between BM 5051 MKII - BM 5052 MKII - BM 5051/V MKII - BM 5052/V MKII - CG 5010 - US 5020, Length 4 metres.

AC 5042 - Code 125.10.025

Cable with connectors for connections the CG 5010 and the UR 5060. Length: 10 metres.

AC 5043 - Code 125.10.061

Cable with connectors for connections between BM 5051 MKII and BM 5052 MKII, Length 10 metres.

CA 5000 - Code 125.10.022

Multipolar cable without connectors for connections between BM 5051 MKII - BM 5052 MKII - CG 5010 - US 5020 - UR 5060 coil of 100 m (code refers to 1 m).

CM 5050 - Code 125.10.024

13-pin male DIN connector for connections between BM 5051 MKII - BM 5052 MKII - CG 5010 - US 5020.

