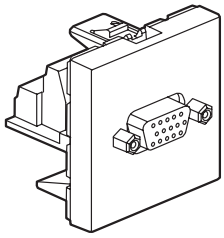
87045 LIMOGES Cedex
Telephone: 33 0 5 55 06 87 87 - Fax: 33 0 5 55 06 88 88

Mosaic™ HD15 socket

Cat. No(s): 787 57 - 792 57



1. USE

For transmitting analogue video signals of VGA, XGA or VESA type.

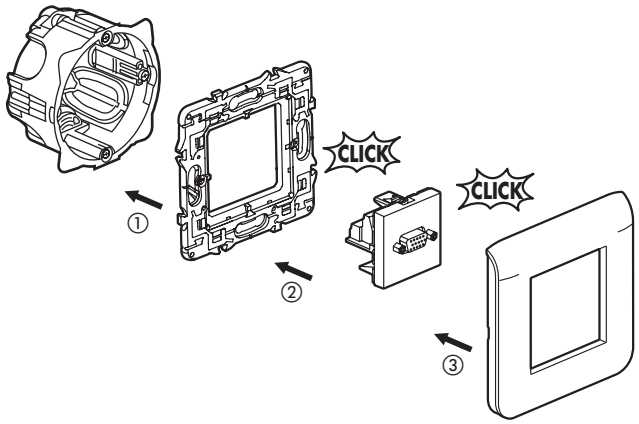
VGA link of a computer monitor, plasma display, video projector, palette, etc.

2. RANGE

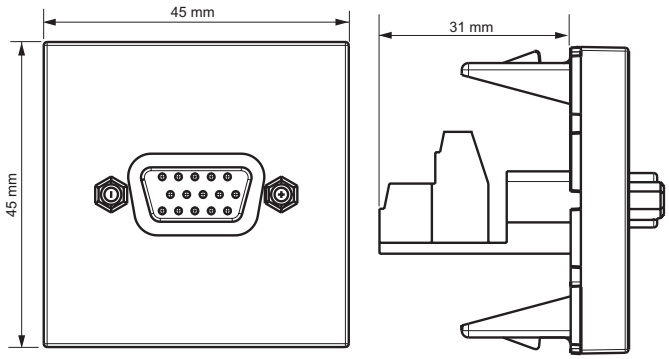
	Designation	Cat. No.	Modules	Fixing method	Connection method	Weight (g)
	Female HD 15 socket	787 57	2	With clips	With screws	32.6
	Female HD 15 socket Aluminium cover plate	792 57	2	With clips	With screws	32.6

3. PREPARATION

- The mechanisms can be flush-mounted or surface-mounted.
- Modular mechanisms using adapter Cat. No. 802 99 (2 modules).
- The mechanisms are mounted on thin walls using adapters Cat. No. 802 91 (2 modules).



4. OVERALL DIMENSIONS



5. CONNECTION

Wide terminal strip taking a 1 mm² conductor max.
Supplied in a bag containing:
- 1 Colring tie
- ferrules to be crimped for conductor < 0.5 mm²
- thermoformable sheaths.

Cable bend radius: 35 mm.
Max. cable length: 20 m (beyond : recommendation for a VGA amplifier)

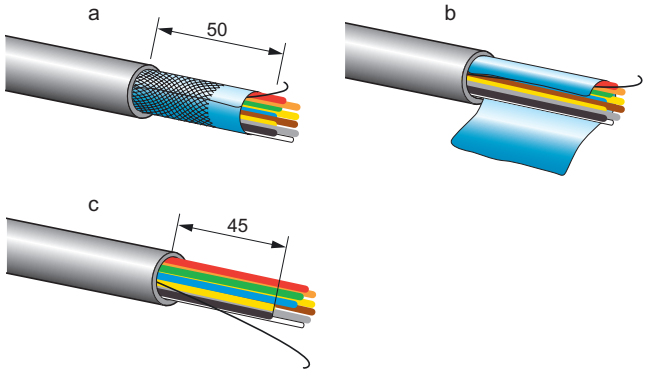
Stripping

Cords to be cut: 5 coaxial cables 75 Ω Ø 2.7 + 5 conductors Ø 2.7
Gauge 26 or 28.

a - Cable unsheathing length: 50 mm.
Recover the continuity wire of the cable's general shielding

b - Remove the braid and the aluminium shielding tape

c - Cut the coaxial cables at 45 mm (remove 5 mm).



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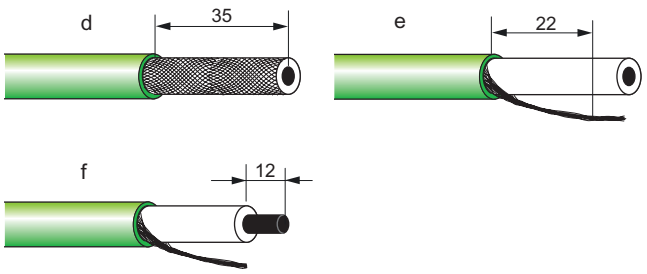
5. CONNECTION *(cont'd)*

Stripping *(cont'd)*

d - Coaxial cable unsheathing length: 35 mm (red, green, blue, yellow, black).

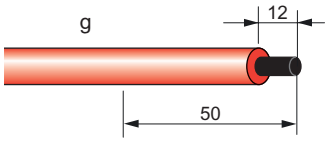
e - Cut the braids at 22 mm (remove 13 mm)
Unbraid and then twist the strands.

f - Stripping length of coaxial cable cores: 12 mm.



g - Single conductor stripping length:
12 mm (orange, violet, brown, white, grey).

Wiring



Tools required: flat-blade screwdriver 0.4 x 2.5 mm and flat-nose pliers.

Insulate the braids and the continuity wire using the neoprene sleeves supplied, thread them into the ferrules supplied and crimp them using the flat-nose pliers.

Fold the cable cores in two to ensure a better mechanical hold, thread them into the ferrules supplied and crimp them using the flat-nose pliers.

Start by wiring the braids and the continuity wire, followed by the coaxial cable cores.

Finish with the single conductors.

Hold the cable mechanically using the cable clamp supplied.

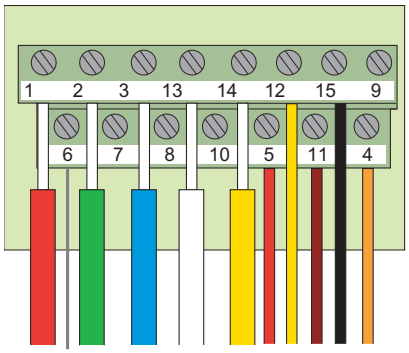
Note: pin No. 9 of the SUB D connector is not cabled.

5. CONNECTION *(cont'd)*

Wiring *(cont'd)*

Follow the wiring instructions below:

VGA FULL PIN



1 Video rec (red)
2 Video green (green)
3 Video blue (blue)
13 Video white (SH)
14 Video yellow (SV)
12 Yellow (ID Bit 1)
15 Black (ID Bit 3)
9 White
6 Red + generale shield (generale + ground)
7 Green shield (green ground)
8 Blue shield (blue ground)
10 Yellow + white shield (masse SH-SV)
5 Red (Gnd)
11 Brown (ID Bit 0)
4 Orange (ID Bit 2)

6. TECHNICAL CHARACTERISTICS

6.1 Mechanical characteristics
Impact tests: IK 04
Penetration by solid bodies/liquid: IP 41 (C15-100)

6.2 Material characteristics
Base: Polycarbonate
Cover: ABS (RAL 9003)
Self-extinguishing: 650°C / 30 s

6.3 Climatic characteristics
Storage temperature: - 10°C to + 70°C
Operating temperature: - 5°C to + 50°C

7. CLEANING

Surface cleaning with a cloth.
Do not use: acetone, tar remover, trichloroethylene.

7.1 Resistance to cleaning agents
Resistance to the following agents: - Hexane (EN 606)
- Methylated spirits
- Soapy water
- Diluted ammonia
- Diluted pure bleach 10%
- Glass cleaning substance
- Pre-impregnated wipes.

7.2 Resistance to hospital-type cleaning agents
Resistance to the following agents: - Anios
- Surfanios
- Bactilysine
- Diluted hydrogen peroxide (35%)

Caution: A preliminary test should be carried out if other specific cleaning products are to be used.