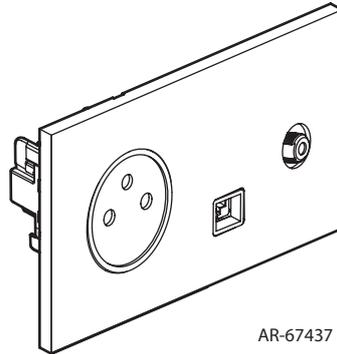


## Epure Style

### Mains voltage and ELV sockets

Cat. No(s): AR-67337/38/39 - AR-67437/38/39 - AR-67537/38/39 - AR-67637/38/39  
 AR-67737/38/39 - AR-67837/38/39 - AR-67937/38/39



AR-67437

#### 1. USE

Functions: 2 P+E + TV socket outlets, 2 P+E + RJ 45 socket outlets and 2 P+E + RJ 45 + TV socket outlets.  
 Mechanisms supplied with a protective cover.

#### 2. RANGE

##### Mains voltage and ELV sockets

AR-67439	● Brushed steel	2 P+E + TV socket Consists of a 2 P+E socket - 16 A - 250 V~ and a single TV socket
AR-67539	● Satin steel	
AR-67639	● Mirror-polished steel	
AR-67739	● Mirror-polished gold	
AR-67339	● Bronze	
AR-67839	● Matt black	
AR-67939	○ Satin white	
AR-67438	● Brushed steel	2 P+E + RJ 45 socket Consists of a 2 P+E socket - 16 A - 250 V~ and a single TV socket
AR-67538	● Satin steel	
AR-67638	● Mirror-polished steel	
AR-67738	● Mirror-polished gold	
AR-67338	● Bronze	
AR-67838	● Matt black	
AR-67938	○ Satin white	
AR-67437	● Brushed steel	2 P+E + RJ 45 + TV socket Consists of a 2 P+E socket - 16 A - 250 V~ and a single TV socket
AR-67537	● Satin steel	
AR-67637	● Mirror-polished steel	
AR-67737	● Mirror-polished gold	
AR-67337	● Bronze	
AR-67837	● Matt black	
AR-67937	○ Satin white	

Epure Brushed steel/Satin steel/Mirror-polished steel: 2 P+E sockets, magnesium grey surface

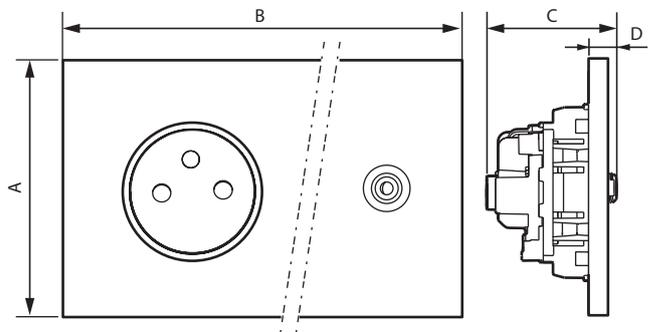
Epure Mirror-polished gold: 2 P+E sockets, ivory surface

Epure Matt black/Bronze: 2 P+E sockets, charcoal grey surface

Epure Satin white: 2 P+E sockets, white surface

**Note:** Other finishes and configurations are provided, see technical data sheet F02217EN/01.

#### 3. DIMENSIONS (mm)



Cat. Nos.	A	B	C	D
AR-67339 - AR-67439 - AR-67539 - AR-68039 AR-67739 - AR-67839 - AR-67939	80	151	39	7.5
AR-67338 - AR-67438 - AR-67538 - AR-68038 AR-67738 - AR-67838 - AR-67938	80	151	36.5	5
AR-67337 - AR-67437 - AR-67537 - AR-68037 AR-67737 - AR-67837 - AR-67937	80	222	39	7.5

#### 4. INSTALLATION

ART d'Arrould electrical wiring accessories are supplied with long fixing screws which can be cut at several points to adapt the screw length to the box flush-mounting depth in the wall.

If ART d'Arrould wiring accessories are being mounted in thick surfaces such as tiles, marble, wainscot panelling with flush-mounting boxes chased deep into the wall, the whole screw length can be used to fix the wiring accessory.

If ART d'Arrould wiring accessories are being installed in walls with non-projecting flush-mounting boxes (masonry walls, dry partitions), the screws which can be cut at several points to shorten the thread.

To protect the products, it is essential to install them: once all surface coatings are completely dry, in a dry, non-aggressive environment, indoors only.

It is recommended that you install the plates only after the wall coatings have been completely finished (paint, fabrics, etc.).

##### Dismantling:

The plates can be dismantled by inserting the tip of a screwdriver in a purpose-designed notch on the sides of the plate and using it as a lever to unclip it from the fixing points.

Once the plate has been lifted off the wall slightly, just slide your fingers between the plate and the wall to gently remove the plate.

Take care not to pull too hard on the plate, to avoid breaking the fixing clips.

## 5.2 P+E SOCKET CONNECTION

Terminal type: auto  
 Terminal capacity: 2 x 2.5 mm<sup>2</sup>  
 Stripping length: 13 mm

## 6. TECHNICAL CHARACTERISTICS OF 2 P+E SOCKETS

### 6.1 Mechanical characteristics

Impact test: IK 02  
 Penetration of solid bodies and liquids: IP 21

### 6.2 Material characteristics

- Plates:
  - Brushed steel: brushed + galvanised with steel colour + varnish
  - Satin steel: steel colour + varnish
  - Mirror-polished steel: polished + galvanised with steel colour
  - Mirror-polished gold: polished + galvanised with 24-carat gold
  - Bronze: brass + oxidation + patina and brushed + varnish
  - Matt black: brass + matt paint
  - Satin white: brass + satin-finish paint
- Motor: - Box: Zamak

Self-extinguishing:  
 850°C/30 s for insulating components holding live parts in place  
 650°C/30 s for other insulating components

### 6.3 Electrical characteristics

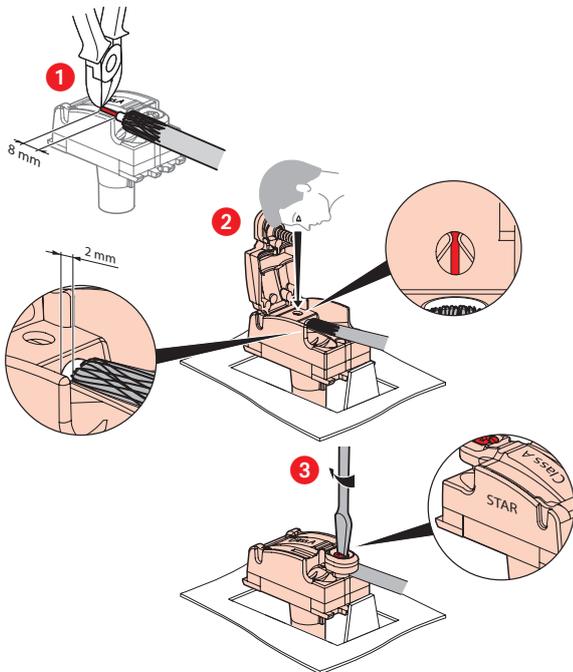
Voltage: 250 V~  
 Current: 16 A  
 Frequency: 50/60 Hz

### 6.4 Climate characteristics

Storage temperature: - 10°C to + 70°C  
 Operating temperature: - 5°C to + 35°C

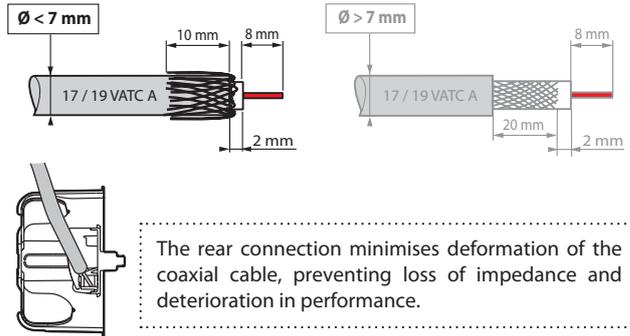
## 7. SINGLE TV SOCKET CONNECTION

### 7.1 Connection



## 7. SINGLE TV SOCKET CONNECTION (continued)

### 7.2 Wiring instruction



The rear connection minimises deformation of the coaxial cable, preventing loss of impedance and deterioration in performance.

## 8. TECHNICAL CHARACTERISTICS OF SINGLE TV SOCKETS

### 8.1 Mechanical characteristics

Impact test: IK 02  
 Penetration of solid bodies and liquids: IP 20

### 8.2 Material characteristics

- Plates: (see section 6.2)
- Motor:
  - Box and cover: Zamak
  - Pin: Bronze
  - Screw: Zinc-plated steel

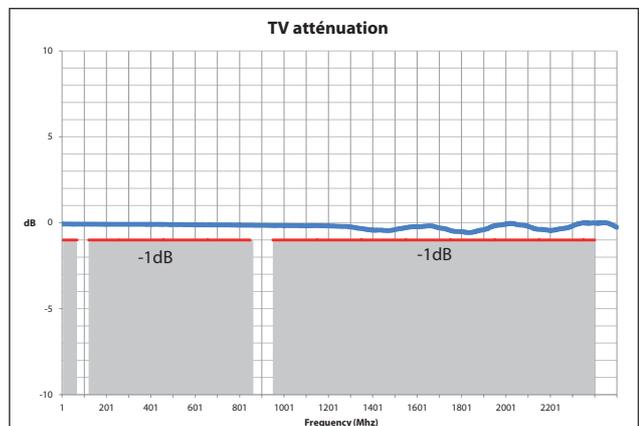
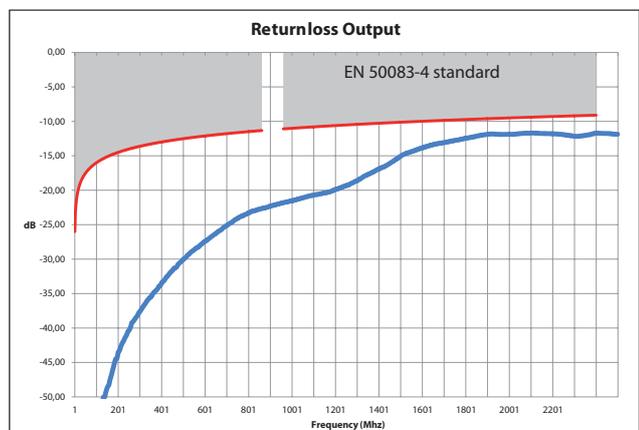
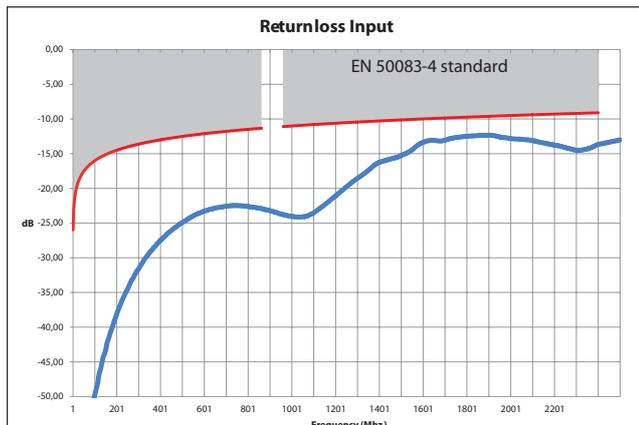
Self-extinguishing: 650°C/30 s

### 8.3 Electrical characteristics

- Characteristic impedance: 75 Ohm
- Female "F" screw-type SAT connector  $\varnothing$  9.4 mm
- Shielding efficiency: Class A (class A shielding is necessary to prevent interference caused by using new 3 and 4 G telephone signals, as these unwanted signals can generate on-screen pixellation or adversely affect the soundtrack).
- Frequency bands: TV/SAT: 0 - 2400 MHz
- Attenuation: 1 dB maximum
- Compatible with remote power feeding

### 8.4 Climate characteristics (see section 6.4)

**9. PERFORMANCE OF SINGLE TV SOCKETS**

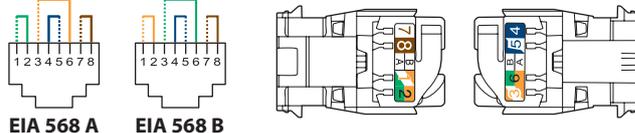


**10. STANDARD RJ 45 CONNECTION**

Takes the following plugs: RJ 11 (4 contacts), RJ 12 (6 contacts), RJ 45 (8 contacts UTP and 9 contacts FTP).

EIA/TIA 568 A and B dual colour code on terminals:

- FTP 9 contacts
- STP 9 contacts with 360° shielding

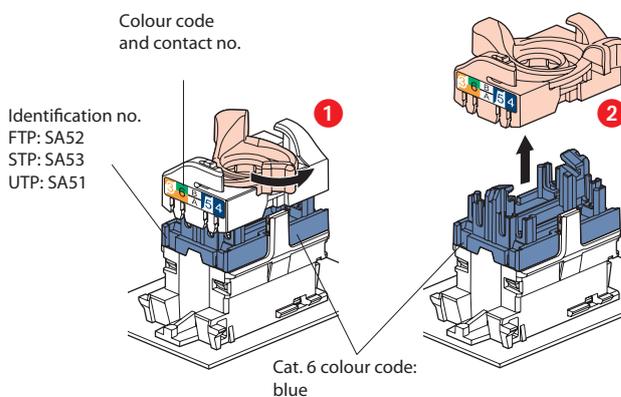


**EIA 568 A    EIA 568 B**

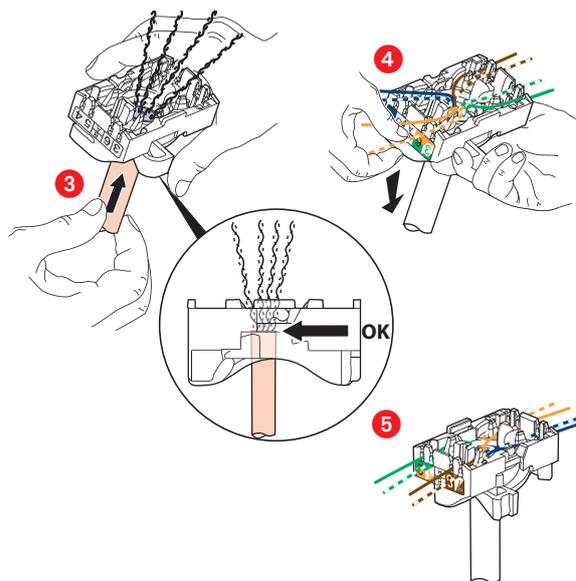
Permissible conductors:

- Single-core: AWG 22 to 26
- Multicore: AWG 26
- Polyethylene conductor insulation: maximum Ø on insulation 1.58 mm

RJ 45 connectors are equipped with a locking nut. They do not require a special tool and can be re-wired if a mistake is made.



This system makes it easy to spread pairs before fitting them onto the connector



## 10. TECHNICAL CHARACTERISTICS OF RJ 45 SOCKETS

### ■ 10.1 Mechanical characteristics

Impact test: IK 02

Ingress of solids/liquids: IP 20

### ■ 10.2 Material characteristics

• Plates: (see section 6.2)

• Motor:

Contacts: gold/nickel, thickness of gold > 0.8 µm minimum

Metal parts: bronze, nickel, platinum, gold

Mechanism box: Polycarbonate PBT

Self-extinguishing: 650°C/30 s

### ■ 10.3 Electrical characteristics

Breakdown voltage ≥ 1000 V

Contact resistance ≤ 20 mΩ

Insulation resistance ≥ 500 mΩ under 100 V DC

Connector tested and guaranteed under POE signal stress, standard IEEE 802.3af and POE+, draft standard 802.3at, up to 2500 load connections/disconnections.

Tests are carried out with 2 simultaneous POE+ circuits for a minimum total power of 50 W.

### ■ 10.4 Climate characteristics (see section 6.4)

## 11. CARE

Clean and dust using a soft, damp cloth (dampened with water) or wipes impregnated with a product containing less than 5% alcohol and anionic surfactant.

**Caution:** Always test before using other special cleaning products.

### Banned products

- Solvents, various essential oils, paint, or adhesive tape,
- Scouring powders (because are abrasive),
- Products containing bleach,
- Special products for stainless steel,
- Renovators (because they often contain abrasives and chemical agents),
- Splashes or fumes from floor, paint, or wood stripping products, etc.

### Caution:

Any mechanical attack or foreign object (screwdriver, etc.) striking the surface of the plate would damage the finish and therefore also the surface treatment.