# Palazzoli

## General
### Catalogue

2019/2020

# Palazzoli

CHIAREZZA DELLA FUNZIONE
SEMPLICITÀ DI PROGETTO
QUALITÀ DELLA MANIFATTURA

CLARITY OF FUNCTION
PROJECT SIMPLICITY
QUALITY OF MANUFACTURE

# TAIS MIGNON

**Palazzoli**

# TAIS MIGNON

Safety and continuity of operation even
in the harshest conditions

All the products of the TAIS MIGNON series are made of thermosetting GRP; they resist to very high temperatures and attacks of chemical agents.

Thanks to the IP67 protection rating the control devices from TAIS MIGNON series can be used in areas subject to presence of liquids and humidity.

All devices can easily be combined one another and allow for the creation of small series of distribution boards.

The TAIS MIGNON products have the most compact dimensions on the market and thanks to the different versions they can be either flush or wall-mounted.

Suitable for use in saunas, pools, cellars, port areas, airports, containers, cold storage and industrial plants.

**CONTROL AND PROTECTION**

*Palazzoli*

The small devices of the TAIS MIGNON series are a complete range of control, socket-outlet and signalling devices integrated in very compact modular boxes that can be easily combined one another. The offer is composed of devices for wall-mounting and panel-mounting.

| | |
| --- | --- |
| Compliance with standards | **IEC EN 60669-1**<br>**IEC 23-50**<br>**IEC/EN 60309-1**<br>**IEC/EN 60309-2** |
| Material | **Palazzoli thermosetting GRP** |
| Protection rating (IP according to IEC/EN 60529) | **IP44 - IP65 - IP67** |
| Colour | **RAL5015 (cover)**<br>**RAL7035 (base)** |
| Resistance to abnormal heat and fire ("Glow wire" according to IEC/EN 60695-2-10) | **960°C** |
| Flammability rating (according to UL94) | **V0** |
| Impact resistance (IK rating according to IEC/EN 62262) | **IK04** |
| Operating frequency | **50 - 60Hz** |
| Insulation class | **II ▣** |
| Storage temperature | **-50°C - +80°C** |
| Operating temperature | **-25°C - +70°C** |

CE  Ⓜ ✓ RINA

**Cable gland features:**

| | | M16 | M20 | M25 |
| --- | --- | --- | --- | --- |
| Entry cable diameter | mm | 10-12 | 5-13 | 8-19 |

**Chemical resistance chart on page 393**

**Switches**
in thermosetting GRP
for wall-mounting
**IP67**

technopolymer cable gland

| Poles | Entry type | Enclosure dimensions (mm) | Rated current/voltage | Palazzoli code | Pack Qty |
| --- | --- | --- | --- | --- | --- |
| 1P | M20 | 62x80x48 | 16A 250V~ 10A 400V~ | **202271** | 10 |
| 1P | M16 M16 | 62x80x48 | 16A 250V~ 10A 400V~ | **202261** | 1 |
| 2P | M16 M16 | 62x80x48 | 16A 250V~ 10A 400V~ | **202262** | 10 |
| 2P | M20 M20 | 62x80x48 | 16A 250V~ 10A 400V~ | **202282** | 10 |
| 3P | M20 M20 | 62x80x48 | 16A 400V~ | **202283** | 10 |

**Equipment included:** as many cable glands as the number of entries.
**Features:** code 202271 can be used with two opposite inlets. Code 202283 with double breaking contacts.

**Two-way switches**
in thermosetting GRP
for wall-mounting
**IP67**

technopolymer cable gland

| Poles | Entry type | Enclosure dimensions (mm) | Rated current/voltage | Palazzoli code | Pack Qty |
| --- | --- | --- | --- | --- | --- |
| 1P | M20 | 62x80x48 | 16A 250V~ 10A 400V~ | **202276** | 10 |
| 1P | M16 M16 | 62x80x48 | 16A 250V~ 10A 400V~ | **202266** | 1 |

**Equipment included:** as many cable glands as the number of entries.
**Features:** code 202276 can be used with two opposite inlets.

**Selector switches**
in thermosetting GRP
for wall-mounting
**IP67**

technopolymer cable gland

| Poles | Entry type | Enclosure dimensions (mm) | Rated current/voltage | Palazzoli code | Pack Qty |
| --- | --- | --- | --- | --- | --- |
| 1P | M20 | 62x80x48 | 16A 250V~ 10A 400V~ | **202275** | 1 |
| 1P | M16 M16 | 62x80x48 | 16A 250V~ 10A 400V~ | **202265** | 1 |

**Equipment included:** as many cable glands as the number of entries.
**Features:** code 202275 can be used with two opposite inlets. By removing the rear bond, the device becomes a double single-pole switch.

**Push-buttons**
in thermosetting GRP
for wall-mounting
**IP67**

technopolymer
cable gland

| Poles | Entry type | Enclosure dimensions (mm) | Rated current/voltage | Palazzoli code | Pack Qty |
|-------|-----------|---------------------------|----------------------|----------------|----------|
| 1 NO | M20 | 62x80x51 | 10A 400V~ | **261435** | 10 |
| 1 NO | M16 M16 | 62x80x51 | 10A 400V~ | **261403** | 1 |
| 1 NC | M20 | 62x80x51 | 10A 400V~ | **261445** | 1 |
| 1 NC | M16 M16 | 62x80x51 | 10A 400V~ | **261413** | 1 |

**Equipment included:** as many cable glands as the number of entries.
**Features:** code 261435 and 261445 can be used with two opposite inlets.

**Schuko socket**
in thermosetting GRP
for wall-mounting
**IP44**

technopolymer
cable gland

| Description | Entry type | Enclosure dimensions (mm) | Palazzoli code | Pack Qty |
|-------------|-----------|---------------------------|----------------|----------|
| 2P+⏚ 10/16A UNEL, Schuko type (with side earth) size 19mm | M20 | 62x80x65 | **431237** | 10 |

**Equipment included:** as many cable glands as the number of entries.
**Features:** it can be used with two opposite inlets.

**Start-stop push button panel**
in thermosetting GRP
for wall-mounting
**IP67**

technopolymer
cable gland

| Poles | Entry type | Enclosure dimensions (mm) | Rated current/voltage | Palazzoli code | Pack Qty |
|-------|-----------|---------------------------|----------------------|----------------|----------|
| 1 NO+1 NC | M20 | 62x80x51 | 10A 400V~ | **261432** | 1 |

**Equipment included:** as many cable glands as the number of entries.
**Features:** it can be used with two opposite inlets.

**Enclosures**
in thermosetting GRP
for wall-mounting
for Ticino Magic devices
**IP44**

technopolymer
cable gland

| Entry type | Enclosure dimensions (mm) | Installable device modules | Palazzoli code | Pack Qty |
|-----------|---------------------------|----------------------------|----------------|----------|
| M20 M20 | 62x80x62 | 1 | **559021** | 8 |
| M16 M16 | 62x80x62 | 1 | **559031** | 8 |
| M20 M20 | 62x80x62 | 1+1 | **559022** | 1 |
| M16 M16 | 62x80x62 | 1+1 | **559032** | 1 |

**Equipment included:** as many cable glands as the number of entries.

**On-off push button panel**
in thermosetting GRP
for wall-mounting
**IP67**

technopolymer
cable gland

| Poles | Entry type | Enclosure dimensions (mm) | Rated current/voltage | Palazzoli code | Pack Qty |
|-------|-----------|---------------------------|----------------------|----------------|----------|
| 1 NO+1 NC | M20 | 62x80x51 | 10A 400V~ | **261433** | 1 |

**Equipment included:** as many cable glands as the number of entries.
**Features:** it can be used with two opposite inlets.

CONTROL
AND PROTECTION

**Box** in thermosetting GRP
for domoTER domestic sockets
for wall-mounting
**IP44**

technopolymer
cable gland

| Entry type | Enclosure dimensions (mm) | Installable device modules | Palazzoli code | Pack Qty |
|---|---|---|---|---|
| M20 | 62x80x62 | 2 | **559232** | 1 |

**Equipment included:** as many cable glands as the number of entries.
**Features:** it can be used with two opposite inlets.

**Technical accessories:**

page 39

**Industrial socket-outlets**
in thermosetting GRP
for wall-mounting
50-60Hz **IP44**

technopolymer
cable gland

| Rated current (A) | Entry type | Rated voltage | Voltage colour | Poles | h ref. | Palazzoli code | Pack Qty |
|---|---|---|---|---|---|---|---|
| | M20 | 110V | 🟡 | 2P+⏚ | 4 | **471204** | 10 |
| | M20 | 110V | 🟡 | 3P+⏚ | 4 | **471284** | 1 |
| | M25 | 110V | 🟡 | 3P+N+⏚ | 4 | **471294** | 1 |
| | M20 | 230V | 🔵 | 2P+⏚ | 6 | **471304** | 10 |
| 16 | M20 | 230V | 🔵 | 3P+⏚ | 9 | **471314** | 1 |
| | M25 | 230V | 🔵 | 3P+N+⏚ | 9 | **471324** | 1 |
| | M20 | 400V | 🔴 | 2P+⏚ | 9 | **471404** | 1 |
| | M20 | 400V | 🔴 | 3P+⏚ | 6 | **471414** | 1 |
| | M25 | 400V | 🔴 | 3P+N+⏚ | 6 | **471424** | 1 |

**Equipment included:** as many cable glands as the number of entries.
**Features:** pillar terminals for connecting cables.

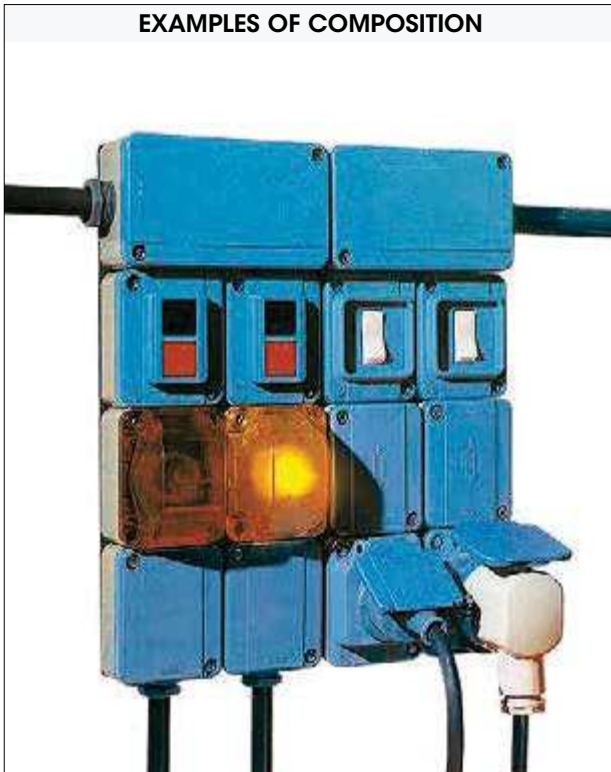## EXAMPLES OF COMPOSITION



**Industrial socket-outlets**
for **extra low voltage**
in thermosetting GRP
for wall-mounting
50-60Hz **IP44**

technopolymer
cable gland

| Rated current (A) | Entry type | Rated voltage | Voltage colour | Poles | h ref. | Palazzoli code | Pack Qty |
|---|---|---|---|---|---|---|---|
| | M20 | 24V | 🟣 | 2P | - | **471004** | 1 |
| | M20 | 24V | 🟣 | 3P | - | **471094** | 1 |
| 16 | M20 | 42V | ⚪ | 2P | 12 | **471104** | 1 |
| | M20 | 42V | ⚪ | 3P | 12 | **471114** | 1 |

**Equipment included:** as many cable glands as the number of entries.
**Features:** pillar terminals for connecting cables.

**Signalling lamps**
in thermosetting GRP
with E14 lamp holder
for wall-mounting
**IP65**

technopolymer
cable gland

| Rated operating voltage | Entry type | Enclosure dimensions (mm) | Diffuser colour | Palazzoli code | Pack Qty |
|---|---|---|---|---|---|
| 250V | M20 | 62x80x78 | Red | **800061** | 6 |
| 250V | M20 | 62x80x78 | Green | **800062** | 6 |
| 250V | M20 | 62x80x78 | Transparent | **800063** | 6 |
| 250V | M20 | 62x80x78 | Yellow | **800064** | 6 |

**Equipment included:** as many cable glands as the number of entries.
**Features:** it can be used with two opposite inlets.
Polycarbonate diffuser.
E14 lamp holder for 3C lamps , 12W max lamp. Lamp not included.



**Fuse holders**
in thermosetting GRP
for wall-mounting
**IP65**

technopolymer
cable gland

| Enclosure dimensions (mm) | Entry type | Poles | Fuse type | Palazzoli code | Pack Qty |
|---|---|---|---|---|---|
| 62x80x46 | M20 / M20 | 2P | ø8.5x23 | **302044** | 1 |
| 62x80x46 | M20 / M20 | 3P | ø8.5x23 | **302054** | 1 |
| 62x102x46 | M20 / M20 | 2P | ø8.5x32 | **302144** | 1 |
| 62x102x46 | M20 / M20 | 3P | ø8.5x32 | **302154** | 1 |

**Equipment included:** as many cable glands as the number of entries. Extractors for fuses.
**Features:** fuses not included.



**Junction boxes**
in thermosetting GRP
for wall-mounting
**IP65**

technopolymer
cable gland

| Outer dimensions (mm) | Entry type | Palazzoli code | Pack Qty |
|---|---|---|---|
| 62x80x38 | M20 / M20 | **101021** | 12 |
| 62x80x38 | M20 / M20 M20 | **101031** | 10 |
| 62x80x38 | M20 / M20 M20 M20 | **101041** | 12 |
| 62x80x38 | M20 M20 / M20 M20 M20 M20 | **101061** | 12 |
| 77x102x48 | M20 M20 / M20 M20 M20 M20 | **101151** | 10 |
| 77x102x48 | M25 M25 / M25 M25 M25 M25 | **101161** | 1 |

**Equipment included:** as many cable glands as the number of entries.
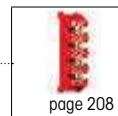**Features:** screws in stainless steel for fixing covers.



**Junction boxes**
in thermosetting GRP
with increased internal
capacity for wall-mounting
**IP65**

technopolymer
cable gland

| Outer dimensions (mm) | Entry type | Palazzoli code | Pack Qty |
|---|---|---|---|
| 62x80x46 | M20 / M20 | **101022** | 10 |
| 77x102x55 | M25 / M25 | **101121** | 8 |

**Equipment included:** as many cable glands as the number of entries.
**Features:** screws in stainless steel for fixing covers.

**Technical accessories:**



page 208

## Junction boxes
in thermosetting GRP
with **cage terminals**
for wall-mounting
**IP65**

technopolymer
cable gland

| Outer dimensions (mm) | Entry type | No. of poles for section | Palazzoli code | Pack Qty |
|---|---|---|---|---|
| 62x80x38 | M20 / M20 | 4x6 mm² | **101025** | 12 |
| 62x80x38 | M20 / M20 / M20 | 4x6 mm² | **101035** | 10 |
| 62x80x38 | M20 M20 / M20 / M20 | 4x6 mm² | **101045** | 12 |
| 77x102x48 | M20 M20 / M20 M20 / M20 | 5x6 mm² | **101156** | 10 |
| 77x102x48 | M25 M25 / M25 M25 / M25 | 5x6 mm² | **101157** | 10 |

**Equipment included:** 6 mm² cage terminals, a number of cable glands equal to the number of entries.
**Features:** screws in stainless steel for fixing covers.

## Coupling fittings
with **metric threading**
for TAIS MIGNON boxes
**IP67**

| Mounting hole type | Internal hole ø (mm) | Palazzoli code | Pack Qty |
|---|---|---|---|
| M20 | 16 | **590020** | 5 |
| M25 | 20 | **590025** | 1 |

**Equipment included:** complete with gasket.

## Terminal block
with **installation by screws**
for TAIS MIGNON boxes

| Rated voltage (V) | No. of poles or section | Palazzoli code | Pack Qty |
|---|---|---|---|
| 400 | 4x6 mm² | **101096** | 20 |

**Features:** they can be inserted inside TAIS MIGNON boxes with dimensions 77x102mm and 77x125mm with screws.

## Modular box
in thermosetting GRP
for wall-mounting
**IP65**

technopolymer
cable gland

| Outer dimensions (mm) | Entry type | Palazzoli code | Pack Qty |
|---|---|---|---|
| 125x77x55 | M25 / M25 | **101081** | 12 |

**Equipment included:** as many cable glands as the number of entries.
**Features:** screws in stainless steel for fixing covers. The modular dimensions allow combinations with watertight wall-mounted modular boxes and all the TAIS MIGNON wall-mounted range.

## Terminal block
with **quick fit system**
for TAIS MIGNON boxes

| Rated voltage (V) | No. of poles for section | Palazzoli code | Pack Qty |
|---|---|---|---|
| 400 | 4x6 mm² | **101095** | 10 |

**Features:** they can be inserted inside TAIS MIGNON boxes with dimensions 77x102mm and 77x125mm with screws.

**Technical accessories:**

page 207

# TAIS MIGNON series
## Small control devices, sockets and visual signalling devices

### Switches
in thermosetting GRP
for flush-mounting
**IP67**

| Poles | Rated current/voltage | Flush-mount dimensions (mm) | Palazzoli code | Pack Qty |
|-------|----------------------|----------------------------|----------------|----------|
| 1P | 16A 250V~ 10A 400V~ | 62x80 | **202291** | 1 |
| 2P | 16A 250V~ 10A 400V~ | 62x80 | **202292** | 1 |
| 3P | 16A 400V~ | 62x80 | **202293** | 1 |

**Equipment included:** with through holes for cable entry and accessories for panel fixing.
**Features:** code 202293 with double break contacts.

### Push-buttons
in thermosetting GRP
for flush-mounting
**IP67**

| Poles | Rated current/voltage | Flush-mount dimensions (mm) | Palazzoli code | Pack Qty |
|-------|----------------------|----------------------------|----------------|----------|
| 1 NO | 10A 400V~ | 62x80 | **261495** | 1 |
| 1 NC | 10A 400V~ | 62x80 | **261496** | 1 |

**Equipment included:** with through holes for cable entry and accessories for panel fixing.

### Two-way switches
in thermosetting GRP
for flush-mounting
**IP67**

| Poles | Rated current/voltage | Flush-mount dimensions (mm) | Palazzoli code | Pack Qty |
|-------|----------------------|----------------------------|----------------|----------|
| 1P | 16A 250V~ 10A 400V~ | 62x80 | **202296** | 1 |

**Equipment included:** with through holes for cable entry and accessories for panel fixing.

### On-off push button panel
in thermosetting GRP
for flush-mounting
**IP67**

| Poles | Rated current/voltage | Flush-mount dimensions (mm) | Palazzoli code | Pack Qty |
|-------|----------------------|----------------------------|----------------|----------|
| 1 NO+1 NC | 10A 400V~ | 62x80 | **261493** | 1 |

**Equipment included:** with through holes for cable entry and accessories for panel fixing.

### Selectori switches
in thermosetting GRP
for flush-mounting
**IP67**

| Poles | Rated current/voltage | Flush-mount dimensions (mm) | Palazzoli code | Pack Qty |
|-------|----------------------|----------------------------|----------------|----------|
| 1P | 16A 250V~ 10A 400V~ | 62x80 | **202295** | 1 |

**Equipment included:** with through holes for cable entry and accessories for panel fixing.
**Features:** By removing the rear jumper, the device becomes a double single-pole switch.

CONTROL
AND PROTECTION

### Signalling lamps
in thermosetting GRP
with E14 lamp holder
for flush-mounting
**IP65**

| Rated voltage | Diffuser colour | Flush-mount dimensions (mm) | Palazzoli code | Pack Qty |
|---|---|---|---|---|
| 250V | red | 62x80 | **800071** | 1 |
| 250V | green | 62x80 | **800072** | 1 |
| 250V | transparent | 62x80 | **800073** | 1 |
| 250V | yellow | 62x80 | **800074** | 1 |

**Features:** polycarbonate diffuser. E14 lamp holder for 3C lamps, 12W max.
Lamp not included. With through holes for cable entry.



### Schuko socket
in thermosetting GRP
for flush-mounting
**IP44**

| Flush-mount dimensions (mm) | Description | Palazzoli code | Pack Qty |
|---|---|---|---|
| 50x50 | 2P+ ⏚ 10/16A UNEL , pitch 19mm Shuko type (with side earth) | **431252** | 10 |

**Equipment included:** stainless steel fixing captive screws.
**Features:** it can be panel-mounted with bottom box code 101221 and wall-mounted with box code 101092.



### Junction box
in thermosetting GRP
for flush-mounting
**IP65**

| Outer dimensions (mm) | Flush-mount dimensions (mm) | Palazzoli code | Pack Qty |
|---|---|---|---|
| 73x91 | 62x80 | **202299** | 1 |

**Equipment included:** complete with accessories for panel fixing.
**Features:** with through holes for cable entry.



### Enclosures
in thermosetting GRP
for domoTER sockets
for flush-mounting
**IP44**

| Flush-mount dimensions (mm) | Installable modules | Palazzoli code | Pack Qty |
|---|---|---|---|
| 50x50 | 2 | **559132** | 15 |

**Equipment included:** stainless steel fixing captive screws.
**Features:** it can be panel-mounted with bottom box code 101221 and wall-mounted with box code 101092.

**Technical accessories:**



page 39

**Boxes** in thermosetting GRP
for flush-mounting
for Ticino Magic devices
**IP44**

| Flush-mount dimensions (mm) | Installable modules | Palazzoli code | Pack Qty |
|---|---|---|---|
| 50x50 | 1 | **559011** | 1 |
| 50x50 | 1+1 | **559012** | 1 |

**Equipment included:** stainless steel fixing captive screws



**Industrial socket-outlets**
for **extra low voltage**
in thermosetting GRP
for flush-mounting
50-60Hz **IP44**

| Rated current (A) | Rated voltage | Voltage colour | Poles | h ref. | Palazzoli code | Pack Qty |
|---|---|---|---|---|---|---|
| 16 | 24V | ● | 2P | - | **471054** | 1 |
| | 24V | ● | 3P | - | **471064** | 1 |
| | 42V | ○ | 2P | 12 | **471154** | 1 |
| | 42V | ○ | 3P | 12 | **471164** | 1 |
| 32 | 24V | ● | 2P | - | **471056** | 1 |
| | 24V | ● | 3P | - | **471066** | 1 |
| | 42V | ○ | 2P | 12 | **471156** | 1 |
| | 42V | ○ | 3P | 12 | **471166** | 1 |

**Equipment included:** stainless steel fixing captive screws
**Features:** it can be panel-mounted with bottom box code 101221. It can be wall-mounted with box code 101092.



**Industrial socket-outlets**
in thermosetting GRP
for flush-mounting
50-60Hz **IP44**

| Rated current (A) | Rated voltage | Voltage colour | Poles | h ref. | Palazzoli code | Pack Qty |
|---|---|---|---|---|---|---|
| 16 | 110V | ● | 2P+⏚ | 4 | **471254** | 10 |
| | 110V | ● | 3P+⏚ | 4 | **471214** | 1 |
| | 110V | ● | 3P+N+⏚ | 4 | **471224** | 1 |
| | 230V | ● | 2P+⏚ | 6 | **471354** | 1 |
| | 230V | ● | 3P+⏚ | 9 | **471364** | 1 |
| | 230V | ● | 3P+N+⏚ | 9 | **471334** | 1 |
| | 400V | ● | 2P+⏚ | 9 | **471454** | 1 |
| | 400V | ● | 3P+⏚ | 6 | **471464** | 1 |
| | 400V | ● | 3P+N+⏚ | 6 | **471434** | 1 |

**Equipment included:** stainless steel fixing captive screws.
**Features:** the versions 2P+⏚ can be panel-mounted with bottom box code 101221.
The versions 2P+⏚ and 3P+⏚ can be wall-mounted by using the box code 101092.
The versions 3P+N+⏚ can be wall-mounted by using the box code 101191.



**Bottom box**
for flush-mounting
of TAIS MIGNON sockets

| Flush-mount dimensions (mm) | Frame dimensions (mm) | Palazzoli code | Pack Qty |
|---|---|---|---|
| 62x80 | 73x91x5,5 | **101221** | 10 |



**Bottom box**
for wall-mounting
of TAIS MIGNON sockets

| Outer dimensions (mm) | Entry type | Palazzoli code | Pack Qty |
|---|---|---|---|
| 62x80x36 | M20 | **101092** | 10 |
| 77x102x42 | M25 | **101191** | 1 |

**Equipment included:** cable glands.

CONTROL
AND PROTECTION

# Palazzoli

## excellence FROM ITALY