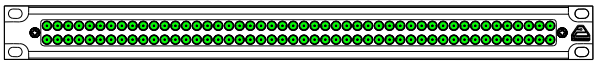
Tech Data

PATCH PANEL

3G-SDI Video

DIN 1.0/2.3

(*)



Description

- **2 rows** with up to **48, DIN 1.0/2.3 75 Ω connectors.**
- **According** to **SMPTE 424M** and **SMPTE 292M** for **3G-SDI** and **HD-SDI**.
- **IEC 61169-29** and **DIN 47 297 compatible.**
- Thermoplastic Insulation plate in order to isolate connectors and chassis.
- Connectors with robust encapsulated for prolonged use.

(*) Patchbay drawing with 2 X 48 connectors.

MODEL	REFERENCE
20 connectors per row: PDIN 2 X 20	**PT23888**
24 connectors per row: PDIN 2 X 24	**PT23889**
26 connectors per row: PDIN 2 X 26	**PT23890**
32 connectors per row: PDIN 2 X 32	**PT23891**
48 connectors per row: PDIN 2 X 48	**PT23755**

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DIN 1.0/2.3

Description

The **DIN 1.0/2.3 Patchbay** is a panel with high density connectors which allows up to 48 connectors per row. DIN 1.0/2.3 connector is a video connector which is according to SMPTE 424M for 3G-SDI video signals (transmission format for 1080p signals) and earlier.

> ***SMPTE 424 M*:** This standard defines a bit-serial data structure for 3 Gb/s component digital signals or packetized data:

Frequency	Return Loss
1.5 GHz	>15 dB
3 GHz	>10 dB

This patchbay goes on line with the ***Pínanson Patchbays*** of 1 RU y 19'' (Note 2) made of extruded aluminium, maintaining the appearance and durability at the same time.

Note 2: Consult other formats to ours salespersons.

Applications

For 3G-SD and HD-SDI video signals and earlier, according to SMPTE 424M and SMPTE 292M standards. Installations where a large amount of video signals on the same patchbay is needed.

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Electrical Characteristics

Insulation Resistance *(500 V_{DC}, 1 min, between the contacts)*	> 1000 MΩ	
Nominal Impedance	75 Ω	
Voltage proof *(750 V AC, 1 min, entre los contacts)*	Without any damage	
Contact Resistance *(1KHz, 1mA $_{AC}$)*	**Between central contacts**	< 6 mΩ
	Between external contacts	< 3 mΩ
VSWR ***Voltage standing wave ratio*** *(DC a 3 GHz, terminated with 75 Ω)*	<1.2	

Mechanical Characteristics

DIN 1.0/2.3 Connector

Attachment strength:

(Vertical tensile strength of 105 N and rotation strength of 0.5 N·m shall be applied for 1 min.:

There shall be no break or damage on each part of connector.

Female contact retention force:

> 0.3 N

Mechanical endurance

(750 V, 1 min, contact resistance: <50 mΩ):

There shall be no break or damage on each part of connector.

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DIN 1.0/2.3

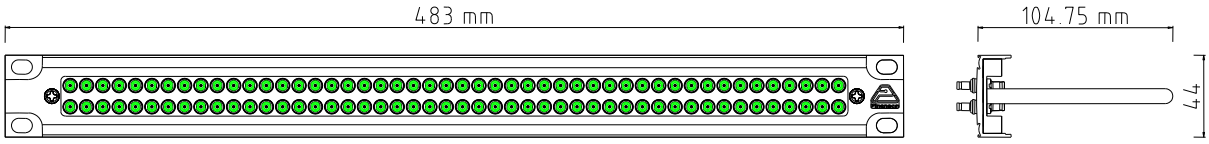
Physical Characteristics

DIN 1.0/2.3 Connector

Central Contact:
Material: Beryllium – Copper.
Finish: Gold plating.
Insulator:
PTFE (Polytetrafluoroethylene).
Body:
Material: Brass
Finish: Nickel plating.

Panel

Panel Frame of extruded aluminium,
6063 Alloy, T5 Treatment.
Painted: powder electrostatic covering 100-150 µ. Standard colour: textured matte black (consult other colours).
Insulating Plate between connector and panel through a Polyethylene plate of 10 mm and high density.
Label of Polypropylene 100 µ and white colour.
Tie Cable Bar of steel bar of F1 calibration and 8 mm.
Painted: powder electrostatic covering 100-150 µ. Standard colour: textured matte black (consult other colours).



Standards

IEC-61169-29	Radio-frequency connectors. Part 29: Sectional specification. Miniature radio frequency coaxial connector model.
DIN 47 297	Radio-frequency 1.0/2.3 connectors.

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DIN 1.0/2.3

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