CATCORE®

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# CATCORE®

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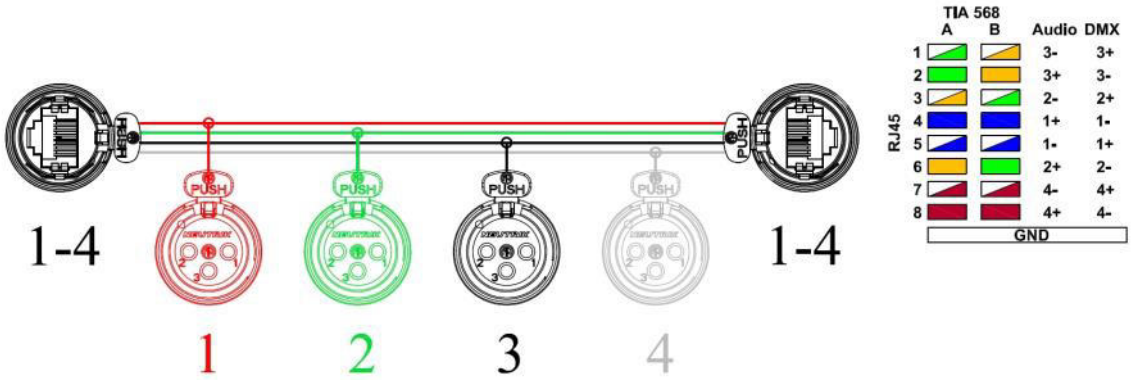
# SMS - Stagebox CAT/XLR single, with link output

**Picture: SMS 3F**

## Stagebox Ethercon to 4x XLR with link output

Stagebox with one System CAT to 4x XLR, with second Ethercon connector for parallel signal in/outs. Easy set up of spatially distributed systems or simple passive splitters and adapters. Robust aluminium housing for mobile use. Recessed connectors for mechanical protection. M10 threaded sleeve on underside for 16mm spigot or clamp. Various mounting holes for cable ties, velcro straps or direct mounting with screws or rivets.

## Schematic:




**Wiring scheme: SMS 3F**

## Variants:

| | | | |
|---|---|---|---|
| SMS 3F | 2x Ethercon / 4x XLR 3pin female | SMS 5F | 2x Ethercon / 4x XLR 5pin female |
| SMS 3M | 2x Ethercon / 4x XLR 3pin male | SMS 5M | 2x Ethercon / 4x XLR 5pin male |
| SMS 3J | 2x Ethercon / 4x Combi-socket (XLR 3pin female/6,3mm TRS) | | |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## SMS - Use case:

**Application example: SMS 5F**

### DMX-Splitbox on festival rig

Stagebox on truss as DMX breakout. Safe to use above audience thanks to mini TV spigot with Manfrotto clamp and safety rope. The connections always remain accessible, and can`t be covered by other cables. The Stagebox was used in the shown case to wire spots and washlights separately. The two spare universes remained for eventually supplied equipment by the bands.

### Special features and applications:

- Robust design for stage use
- Recessed connectors for mechanical protection
- Inline-design with Ethercons on left and right to loop along trunk line
- Simple daisychaining from one box to another
- Suitable for analog and digital audio (AES3), DMX and Intercom
- Building adapters or passive splitters by cascading
- Ideal for setting up spatially distributed systems, like using on sport grounds,
- For delay lines or truss to truss cabling for DMX*
- Various mounting options including M10 Thread on Bottom

* The branching of DMX networks must be kept to a minimum,
or intermediate taps need to be isolated with boosters

### Technical data:

Dimensions: (W x H x D): 205 x 50 x 50 mm
Weight: 0,3 kg

Images: CatCore

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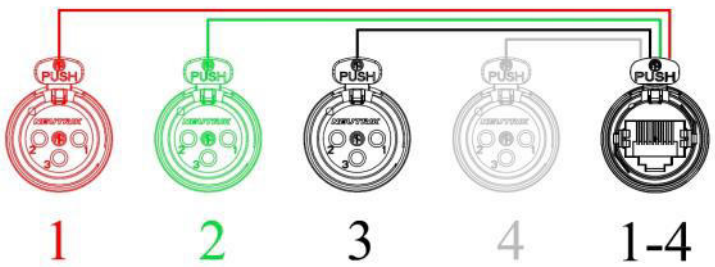
# SMS-C - Stagebox CAT/XLR single, compact version

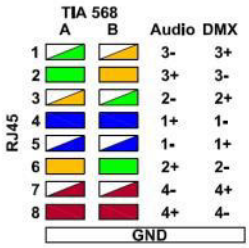

**Picture: SMS-C 5F**

## Stagebox Ethercon to 4x XLR

Robust aluminium housing with various mounting options. One System CAT to 4x XLR, all connections on top. Particularly compact design for minimum space requirement in toolcase or installation. Stainless steel screws to prevent rust, and recessed connectors for mechanical protection. Multiple mounting options for safety wires, cable ties or screw mount.

## Schematic:




**Wiring scheme: SMS-C 3F**

## Variants:

| | |
|---|---|
| SMS-C 3F | 1x Ethercon / 4x XLR 3pin female |
| SMS-C 3M | 1x Ethercon / 4x XLR 3pin male |
| SMS-C 5F | 1x Ethercon / 4x XLR 5pin female |
| SMS-C 5M | 1x Ethercon / 4x XLR 5pin male |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## SMS-C - Use case:

**Application example: SMS-C 3F**

### Compact substage on live stage

Compact stage box for microphones in a concert venue. Due to the quadruple pooling of signals, considerable savings are made in cabling efforts. Individual instrument groups such as keyboards, percussion, brass, guitar or bass and backing vocals were strategically bundled for quick patching and changeovers.

### Special features and applications:

- Particularly compact
- Recessed connectors for mechanical protection
- Various mounting holes allow permanent fixing (eg in cases or under lecterns)
- Attaching points for safety wires/chain links for use over audience
- Small helpers for studio and live applications
- Perfect size for toolcase
- Available for audio and DMX applications

### Technical data:

| | |
|---|---|
| Dimensions: (W x H x D): | 175 x 40 x 40 mm |
| Weight: | 0,2 kg |
| Images: | CatCore |

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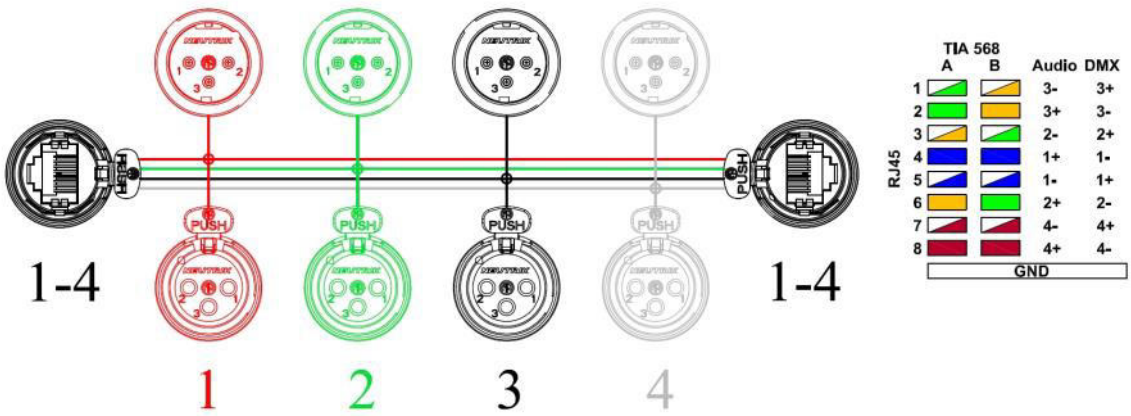
# SMD - Stagebox CAT/XLR double row, with parallel outputs

**Picture: SMD 3M3F**

## Stagebox Ethercon in/out to 2x each 4x XLR

One System Cat to 8x XLR, two sockets each parallel per channel. Simple daisychaining through parallel Ethercon connection. Bidirectional signal routing within one CAT-cable possible. Various XLR combinations available for individual requirements. Robust aluminium housing with extensive mounting options. M10 threaded sleeve on bottom for mini spigot or clamp. Mounting holes for cable ties, velcro straps or direct screw mounting. Stainless steel screws to prevent rust, recessed connectors for mechanical protection.

## Schematic:




**Wiring scheme: SMD 3M3F**

## Variants:

SMD 3M3F 2x Ethercon / 4x XLR 3pin male/female
SMD 3M5M 2x Ethercon / 4x XLR 3/5pin male
SMD 3F5F 2x Ethercon / 4x XLR 3/5pin female
SMD 5M5F 2x Ethercon / 4x XLR 5pin male/female

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## SMD - Use case:

**Application example: SMD 3F5F**

### Versatile DMX breakout box 3– and 5-pin

In the shown case the parallel 3- and 5-pin outlets per channel effectively saved adapters. A separate feed per lamptype enabled particularly fail-safe and structured cabling to reduce troubleshooting. Securely mounted over audience thanks to M10 thread with Manfrotto clamp and safety rope. This ensured a secure hold and kept the box above other cables.

### Special features and applications:

- Various XLR combinations with two connections per channel in parallel
- Setup of bidirectional systems in male/female combinations with same type of box
- Reducing variants in rental portfolio
- Recessed connectors for mechanical protection
- Multifunctional use in 3/5pin combinations for audio and/or DMX*
- Threaded sleeve M10 and holes for safety ropes, cable ties or velcro straps
- 3/5-pin equipped boxes offer special flexibility in the field of lighting (SMD-3F5F), making the use of the typical 3/5-pin adapters for DMX obsolete
- For audio applications, the model SMD-3M3F enables bi-directional transmission in a single CAT cable, especially versatile in combination with the unisex cable split SP-3C

* Mixing different signals within one Cat Cable is not recommended

### Technical data:

Dimensions: (W x H x D): 205 x 50 x 96 mm
Weight: 0,5 kg

Images: CatCore

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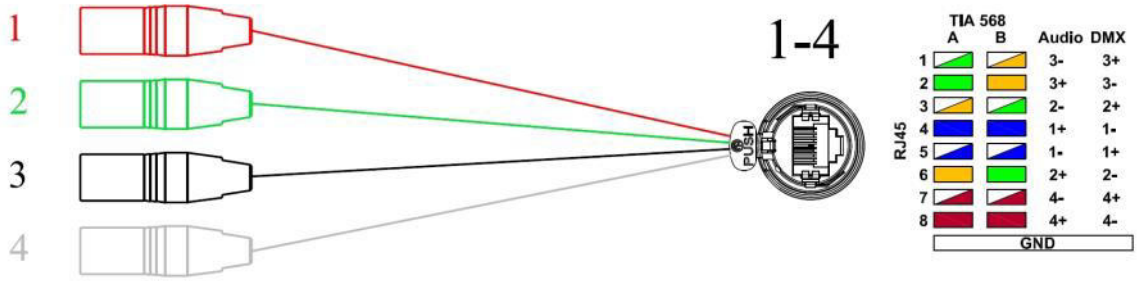
# SP – Cable Split CAT/XLR

**Picture: SP 5M**

## Cable split Ethercon to 4x XLR tails

Robust splice box from Ethercon to 4x single cable with versatile assembly variants. 110 Ohm cable type for analog, AES/EBU, intercom and DMX. Anti-twist strain relief with kink protection, extra large cable cross-sections for additional mechanical stability. Black Neutrik XLR connectors with gold-plated contacts, color coding and laser engraved channel numbers. Approx. 60cm length from strain relief. Robust aluminium housing with various mounting options, e.g. fixing in cases and racks.

## Schematic:




**Wiring scheme: SP xx**

## Variants:

| | |
|---|---|
| SP 3F | Ethercon / 4x XLR 3pin female |
| SP 3M | Ethercon / 4x XLR 3pin male |
| SP 3C | Ethercon / 4x XLR 3 m/w unisex |
| SP 5F | Ethercon / 4x XLR 5pin female |
| SP 5M | Ethercon / 4x XLR 5pin male |
| SP DJ | Ethercon / 2x XLR 3pin w, 2x TRS 6,3mm |
| SP J | Ethercon / 4x TRS 6,3mm |
| SP LA60 | Eth. / 4x XLR 3pin male, 0,6m staggered |
| SP LA75 | Eth. / 4x XLR 3pin male, 0,75m staggered |

Manufacturing of SP LAxx upon request

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## SP - Use case:


**Application example: SP 5M**

### DMX multicore from lighting FOH to stage

Compact bundling of the four outputs at an Avolites Tiger Touch II in a single network cable. This eliminates the need for expensive external DMX nodes in smaller setups, and the existing Cat5 multicore from FOH to stage could be used instead of laying separate cables. The split features mounting holes for direct fixing in the consoles case. No configuration of network devices was required. Different from protocols using TCP/IP, distances exceeding 90-100m by far can be realized without need for using fiber.

### Special features and applications:

- Particularly robust design with recessed connectors
- Generously dimensioned strain relief with selflock against unscrewing
- 110 Ohm cable type with cross-section 0,34mm², suitable also for AES/EBU and DMX
- Gold plated contacts for long time reliability
- Laser engraved numbers on plugs
- Color coded plugs, including assignment printed on housing
- Various variants for multiple applications

Special Variants:

- SP-3C: Neutrik Convertcon, switchable from male to female per channel
- SP-DJ: For DJ-Mixers with 2x XLR (Master) and 2x 6,3mm TRS (Booth Out or Mic In)
- SP-LA: staggered cables, for driving active line arrays in segments.

### Technical data:

Dimensions: (W x H x D): 175 (plus cables) x 50 x 50 mm
Weight: 0,6 - 0,8 kg, depending on cable length and connector.

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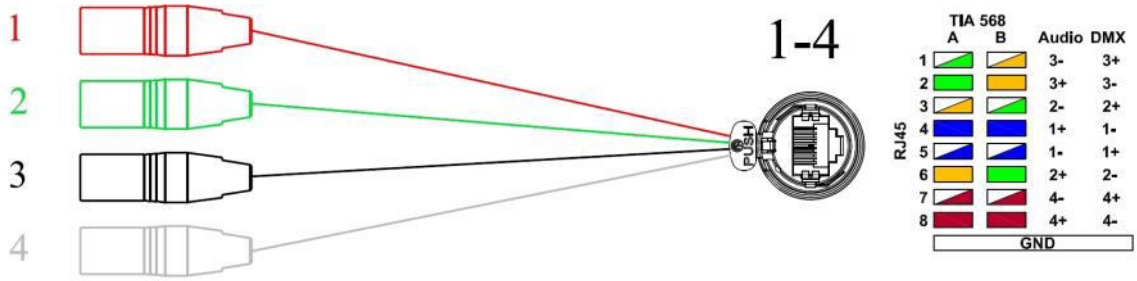
# D-Kit - XLR/CAT Retrofit for blank Panels

**Picture: D-Kit-L 3M**

## Cable split for retrofitting in blank panel

Retrofit for D-series cut-outs in blank panels for maximized packing density. One system Cat/4x XLR each. Suitable for analog/AES3 audio, intercom and DMX (110 Ohm cable type). Strain relief available with („L“) or without („S“) kink protection, depending on available space in front of panel. (appx. 10cm / 5cm required). Black connectors with colour coding and numbers on plugs. High-quality Neutrik XLR connectors with gold-plated contacts. Approx. 60cm usable length from strain relief.

## Schematic:




**Wiring scheme: D-Kit XX**

| **Variants: „S“ - short cable gland** | |
|---|---|
| D-Kit-S 3F | Ethercon / 4x XLR 3pin fem., short |
| D-Kit-S 3M | Ethercon / 4x XLR 3pin male, short |
| D-Kit-S 5F | Ethercon / 4x XLR 5pin fem., short |
| D-Kit-S 5M | Ethercon / 4x XLR 5pin male, short |

| **Variants: „L“ - with bending protection** | |
|---|---|
| D-Kit-L 3F | Eth. / 4x XLR 3pin f, bend. protection |
| D-Kit-L 3M | Eth. / 4x XLR 3pin m, bend. protection |
| D-Kit-L 5F | Eth. / 4x XLR 5pin f, bend. protection |
| D-Kit-L 5M | Eth. / 4x XLR 5pin m, bend. protection |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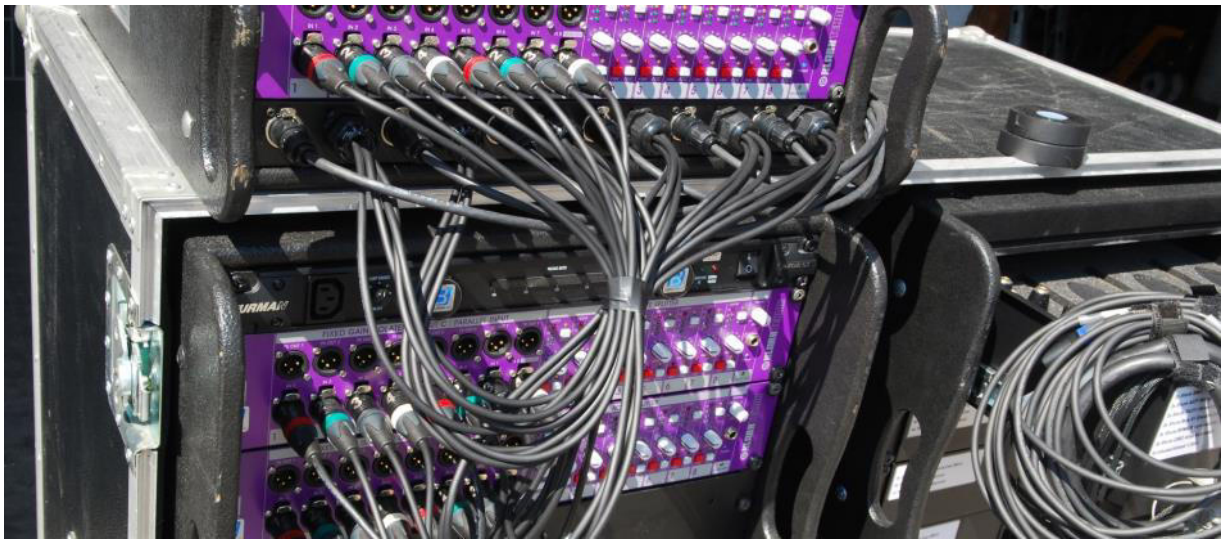
## D-Kit - Use case:



**Application example: D-Kit-S 3M**

### Subcore management for splitters in festival setup

Patchbay for subcores on stage. Six subsnakes via CatCore boxes can be freely assigned to the splitter channels. Due to its compact layout, the 24-channel cable patchbay requires only one unit of rackspace. The splitters were used to separate feeds for FOH/Monitor and an external OB-van.

### Special features and applications:

- Two D-series cutouts required
- Very high packaging density, up to 24 channels per rack unit
- Due to bi-partite design suitable for any drill distance
- Simple connection of both components behind panel
- Available with short strain relief (approx. 5cm from front panel required)
- Or with an anti-kink spiral for rack mounting (approx. 10cm from front panel required)
- No soldering or assembly required
- Cable length 60cm in front of panel
- Operating radius within appx. 6 RU
- Ideal for patchbays in OB-Vans, recording studios, theaters and concert halls

### Technical data:

| | |
|---|---|
| Dimensions: (W x H x D): | 2x D-Series cutout, cable length appx. 60cm |
| Weight: | 0,2 kg |
| Images: | CatCore |

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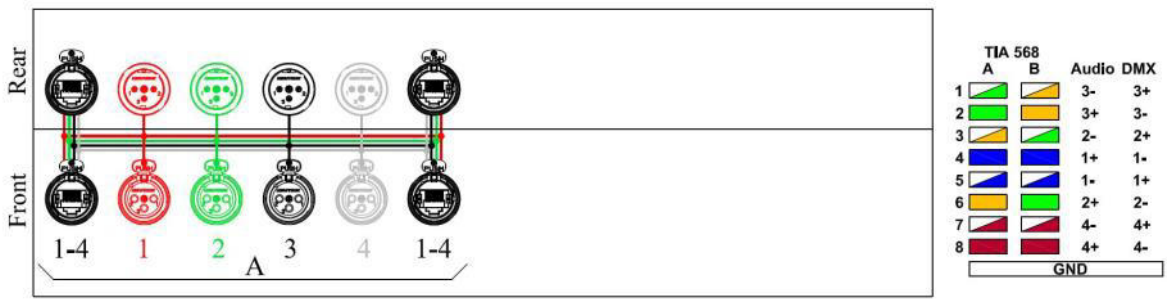
# RSS - Rack panel with one system CAT/XLR

**Picture: RSS 3F3M**

## Rack enclosure with one system CAT/XLR

Size 1RU, front Ethercon in/out and 4x XLR. The very short design also allows installation behind existing devices in a case or rack cabinet. Easily scalable due to parallel outputs. Optionally 2x Ethercon and 4x XLR as through sockets on the rear, extending connections from installed devices to the front. The XLR and Ethercon sockets wired in parallel allow using conventional cabling or bus cabling with other CatCore devices, and also provide passive signal splitting.

## Schematic:




**Wiring scheme: RSS 3F3M**

## Variants: RSS - parallel outputs on back

| | |
|---|---|
| RSS 3F3M | Front: 4x XLR 3F, Back: 4x XLR 3M |
| RSS 3M3F | Front: 4x XLR 3M, Back: 4x XLR 3F |
| RSS 5F5M | Front: 4x XLR 5F, Back: 4x XLR 5M |
| RSS 5M5F | Front: 4x XLR 5M, Back: 4x XLR 5F |

## Variants: RSSX - closed backside

| | |
|---|---|
| RSSX 3F | Front: 4x XLR 3F, Back closed |
| RSSX 3M | Front: 4x XLR 3M, Back closed |
| RSSX 5F | Front: 4x XLR 5F, Back closed |
| RSSX 5M | Front: 4x XLR 5M, Back closed |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## RSS - Use case:

**Application example: RSS 3M3F**

### Patchbay in four-way wireless receiver rack

All audio outputs are moved to the front for fast setup. The two CatCore-ports can be used as passive splitted outs, whilst the XLRs also enable conventional cabling. All wiring from the four Shure ULX-D outputs is kept inside the rack. This avoids unauthorized accesss or unintended channel swaps, and significantly cuts time for setup and checking.

### Special features and applications:

- All user relevant connections on the front
- Hidden cabling within the rack, protected against unauthorized access.
- Perfect for multi channel devices such as amplifiers, wireless receivers or DMX nodes
- Extremely short design
- Mounting even behind devices possible for saving rackspace
- Versions with closed back can be used as simple Cat/XLR breakouts for rack mounting

### Technical data:

Dimensions: (W x H x D): 483 x 44 x 60 mm
Weight: 0,6 kg

Images: CatCore

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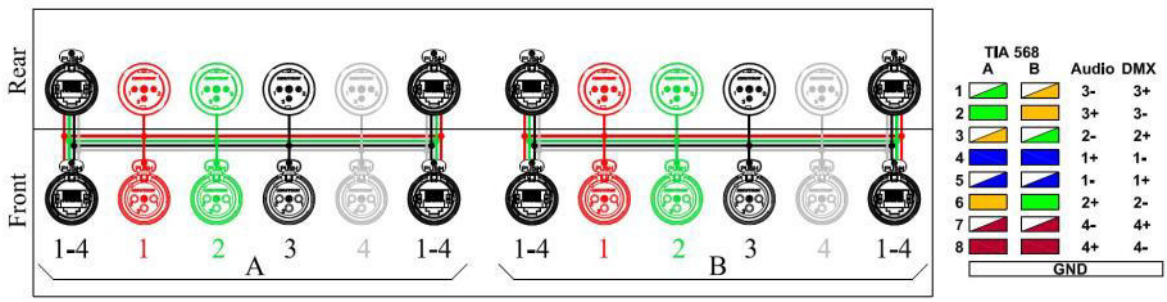
# RSD - Rack panel with two systems CAT/XLR

**Picture: RSD 5F5M**

## Rack enclosure with two systems CAT/XLR

Panel 19“/1RU with two separate systems CAT/XLR, each 2x Ethercon in/out and 4x XLR. The very short design also allows installation behind existing devices in cases or racks. Easily scalable due to parallel outputs. All connections as through connectors on the back, keeping cabling within in the rack. The parallel XLR and Ethercon sockets allow the use of conventional cabling or bus cabling with further CatCore devices. Both systems can be linked by a network patchcord to double in/outputs.

## Schematic:




**Wiring scheme: RSD 3F3M**

## Variants: RSD - parallel sockets on back:

| | |
|---|---|
| RSD 3F3M | Front: 8x XLR 3F, Back: 8x XLR 3M |
| RSD 3M3F | Front: 8x XLR 3M, Back: 8x XLR 3F |
| RSD 5F5M | Front: 8x XLR 5F, Back: 8x XLR 5M |
| RSD 5M5F | Front: 8x XLR 5M, Back: 8x XLR 5F |

## Variants: RSDX - closed backside:

| | |
|---|---|
| RSDX 3F | Front: 8x XLR 3F, Back closed |
| RSDX 3M | Front: 8x XLR 3M, Back closed |
| RSDX 5F | Front: 8x XLR 5F, Back closed |
| RSDX 5M | Front: 8x XLR 5M, Back closed |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## RSD - Use case:

**Application example: RSDX 5 pin**

### DMX management in Dimmerrack

Input and output panels for centralized DMX management. Signals from FOH and to the trusses are handled centrally. Each signal can be routed through the splitters and assigned to any output. Up to eight input signals (upper row), and four CatCore feeds with four channels each (lower rows) are provided. The rack extends an Avolites ART2000 dimmer, which provides two more DMX boosters. Thus a compact 4(+4) in 4x4 DMX management system can be set up in very short time.

### Special features and applications:

- Simple wiring of multichannel devices as amplifiers, DMX nodes or wireless receivers
- Optionally through sockets for internal wiring in rack
- Extremely short design, even mountable on backside of racks for saving height
- Simple linking of systems for adding paralleled outputs
- Versions with closed rear side serve as simple breakouts for rack mounting

### Technical data:

Dimensions: (W x H x D): 483 x 44 x 60mm
Weight: 0,6 kg

Images: CatCore

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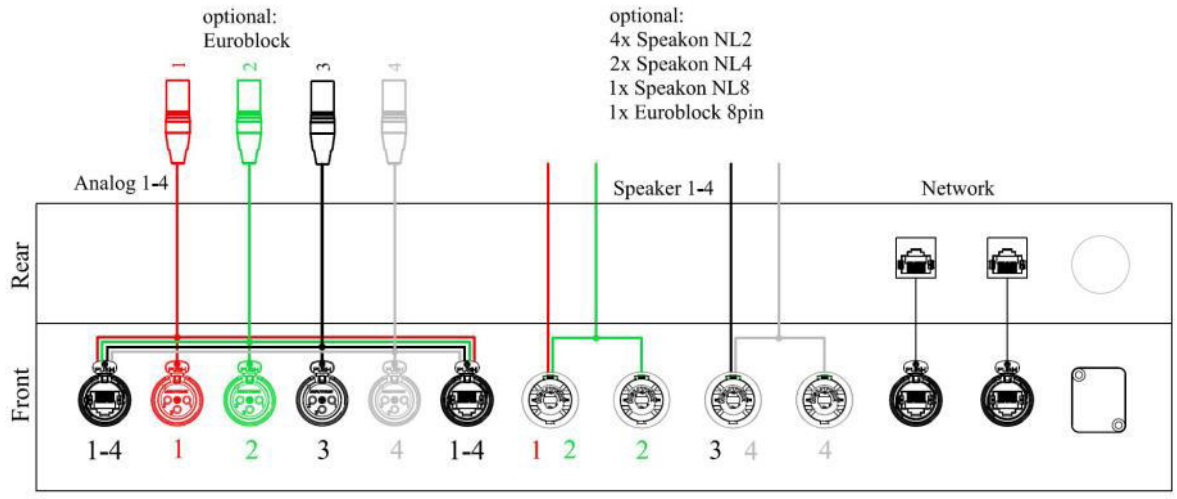
# X4-S - Connection panel for quad channel amps with network ports


**Picture: X4-S-xx**

## Speaker panel 4-channel with additional network inputs

Connection panel for four-channel amplifiers with two additional network sockets. CatCore in/out, 4x XLR analog in and speaker outputs via 4x Speakon (1/2, 2, 3/4, 4).
Dummy port for individually mountable additional socket. Fixed cable outlets in various configurations at the rear for direct connection to many amp models. Custom cabling upon request.

## Schematic:




**Wiring scheme: X4-S-xx**

## Variants: X4-S - xx (Variant)

IPX - Euroblock-Connectors, for Dynacord IPX
QC - Euroblock-Connectors, for Powersoft Quattrocanali
S2 - 4x Speakon 2pin via 2x 2,5mm² (4x) / 4x XLR
S4 - 2x Speakon 4pin via 4x 2,5mm² (2x) / 4x XLR
S8 - 1x Speakon 8pin via 8x 2,5mm² (1x) / 4x XLR

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# X4-S - Use case :


**Application example: X4-S-S4**

## LabGruppen single-rack

Single rack with LabGruppen power amplifier. Compact panel with all required connections at the front. Input signals can be easily looped via CatCore to further racks. Two network inputs for control or network based audio formats. A further D-Series cutout can be optionally equipped by the user.

## Special features and applications:

- Compact panel for four-channel amplifiers
- All relevant connections accessible on the front
- Additional CatCore outputs to connect further devices
- User configurable blank space for D-series socket or M25 cable gland
- Prewired plug&play solution
- Various connection variants available
- Lightweight aluminium construction

## Technical data:

Dimensions: (W x H x D): 483 x44 x 120 mm (plus cables)
Weight: 1,3 - 1,6 kg (depending on cabling)

Images: CatCore

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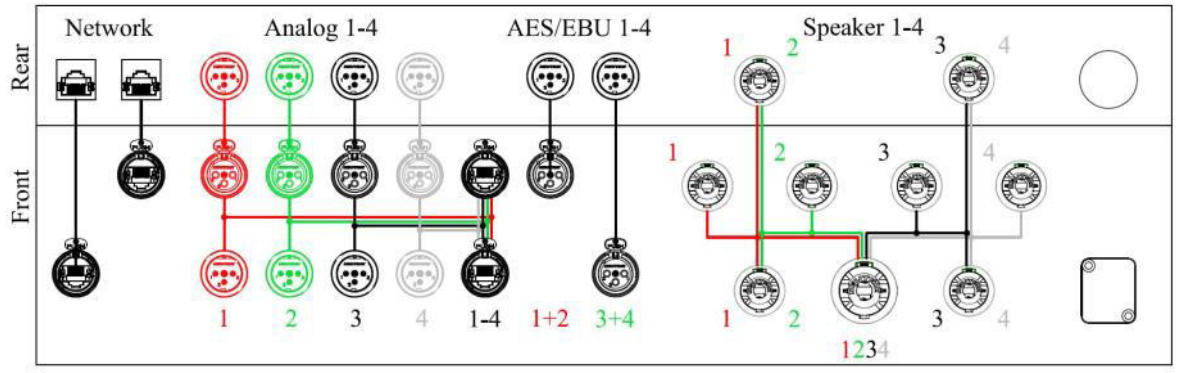
# X4-LS-D - Connection panel for quad channel amps


**Picture: X4-LS-D**

## Connection panel for quad-channel power amplifiers

Universal connection panel for quad channel power amplifiers with extensive options. Two Ethercon through jacks for control/digital audio, 4x analog in/out via XLR and CatCore, 2x AES/EBU in, Speakon out 6x 4pin (solo 1,2,3,4, 2x biamp 1+2 / 3+4) and 8pin (1+2+3+4). Universal dummy port for individual modification or power cable inlet. Rear connections via XLR and Speakon. Extremely low depth, universally adaptable to various amp models.

## Schematic:




**Wiring scheme: X4-LS-D**

## Variants:

| | |
|---|---|
| X4-LS-D | Connection panel 4-channel universal 2 RU, Speakon 8pin<br>Analog connections, AES inputs separat<br>Analog Inputs/outputs linked internally |

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# X4-LS-D - Use case:

**Application example: X4-LS-D**

## Powersoft X4 Touringrack

System rack with Powersoft X4 power amplifier. The universal 2RU front panel provides all relevant connections including power supply on the front. In addition, the audio signals are now available as a loop-through, which is initially not featured by the amp. AES3 inputs are kept separately from analog audio, as required e.g. for Powersoft X4.

## Special features and applications:

- All relevant signals are clearly arranged on the front
- Separated AES3 inputs, e.g. for Powersoft X4
- Outlets on back enable individually configured cabling to the amp
- Multiple connections for speakers
- Simple daisychaining from rack to rack
- Universal D-series cutout for custom modification
- 4mm² internal speaker wiring for minimized losses
- Lightweight aluminium construction

## Technical data:

Dimensions: (W x H x D): 483 x 88 x 60 mm
Weight: 1,0 kg

Images: CatCore

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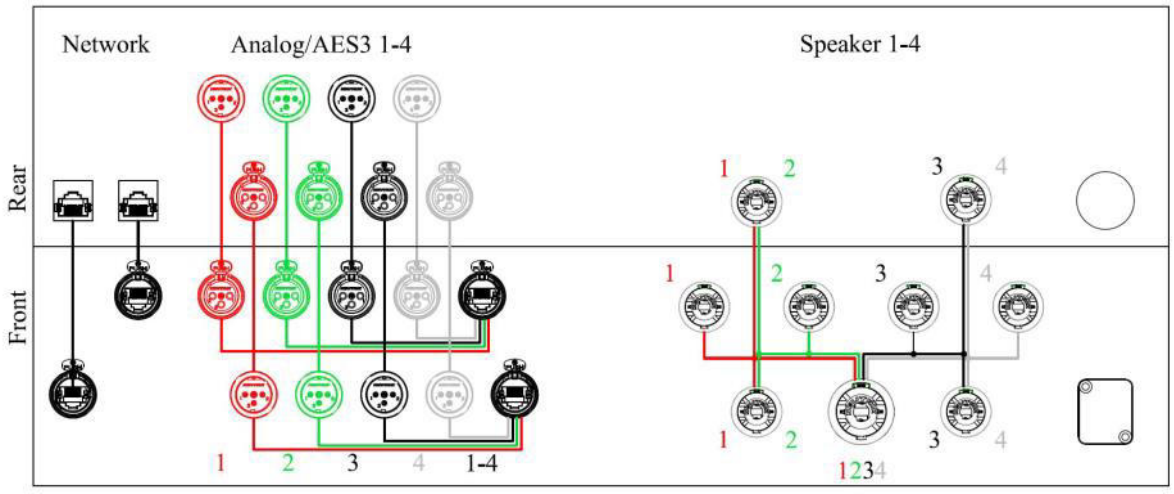
# X4-LS-DB - Connection panel 4ch. with analog / AES3 combined


**Picture: X4-LS-DB**

**Speaker panel 4-channel with combined analog/AES3 inputs, e.g. for d&b D20/D80**

Connection panel for four-channel amplifiers with combined analog&AES/EBU inputs. Two Ethercon through sockets, 4x analog/AES3 in/out via XLR and CatCore. Loudspeaker output via 4x Speakon solo (1,2,3,4), 2x Speakon biamp (1+2 / 3+4) and Speakon 8pin (1+2+3+4). Dummy port for individual modification. Rear connections via XLR and Speakon. Extremely low installation depth and weight, universally adaptable to various brands and models.

## Schematic:




**Wiring scheme: X4-LS-DB**

## Variants:

X4-LS-DB Connection panel 4-channel universal 2 RU, Speakon
Combined Analog/AES connections,
Inputs/outputs separated

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## X4-LS-DB - Use case:


**Application example: X4-LS-DB**

### d&b D80 Single-Case

Single rack with d&b D80 power amplifier. Since the manufacturer only offers racks for multiple amps, the panels provide a compact solution for stand alone applications. The audio ins and outs are separately connected to the corresponding ports at the amp. This allows the AES3 signal to be refreshed within the amplifier.

### Special features and applications:

- System solution for quad channel amplifiers, e.g. d&b D20 and D80
- All relevant connections accessible on the front
- Additional parallel signal outputs for linking to further racks
- Universal dummy-port for D-series socket or M25 cable gland
- All audio signals separately wired to / from the amp
- Very low construction depth and weight
- Adaptable to various power amplifier models
- 4mm² internal speaker wiring for minimized losses
- Lightweight aluminium construction

### Technical data:

Dimensions: (W x H x D): 483 x 88 x 60 mm
Weight: 1,3 kg

Images: CatCore

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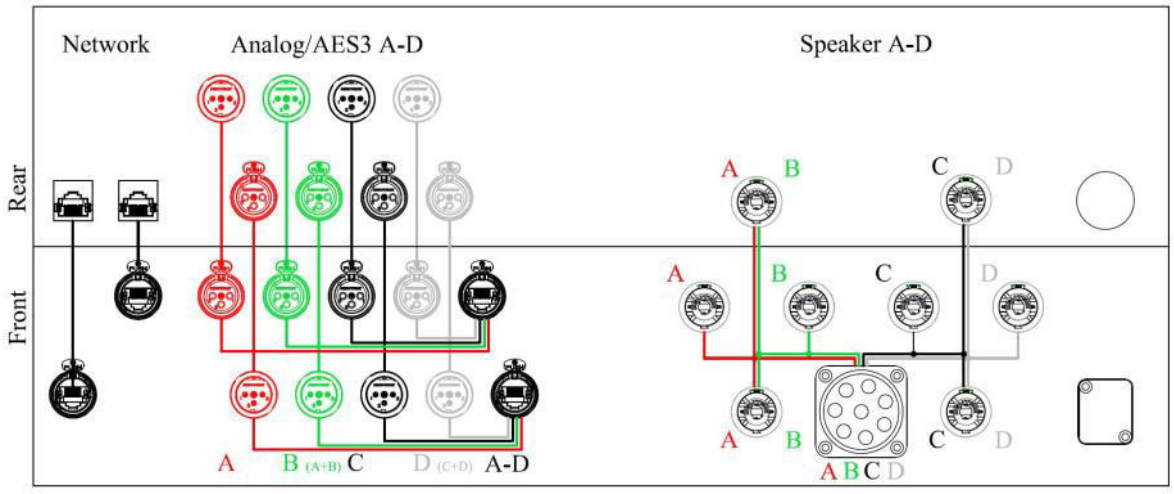
# X4-LS-LAC - Connection panel 4ch. with integrated AES3 and LK8


**Picture: X4-LS-LAC**

## Speaker panel 4-channel with AES3 integrated and LK8, e.g. for L`Acoustics LAX4/12

Connection panel for four-channel power amplifiers with combined analogue / AES3 inputs. Two Ethercon through sockets, 4x analog/AES3 in/out via XLR and CatCore.
Loudspeaker output via 4x Speakon solo (A,B,C,D), 2x Speakon biamp (A+B / C+D) and LK8 socket without locking ring (A/B/C/D). Dummy port for user modification or cable inlet. Rear connections via XLR and Speakon. Extremely low installation depth and weight, universally adaptable to various brands and models.

## Schematic:




**Wiring scheme: X4-LS-LAC**

## Variants:

| | |
|---|---|
| X4-LS-LAC | Connection panel 4-channel universal 2 RU, LK8<br>Combined Analog/AES connections,<br>Inputs/outputs separated |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# X4-LS-LAC - Use case:


**Application example: X4-LS-LAC**

## L`Acoustics LA12X Single-rack

Single rack with L`Acoustics LA12X power amplifier. Since only triple system racks are offered by the manufacturer, the panels provides a stand alone solution for smaller applications. The XLR inputs and outputs are kept separated to allow the AES/EBU signals to be boosted by the power amplifier. The 4-channel speaker output is compatible with L`Acoustics, provided as LK8 female without locking ring.

## Special features and applications:

- System solution for single four channel amplifiers, e.g. L`Acoustics LA4X and LA12X
- All connections accessible on the front
- Additional parallel signal outputs for connecting to further racks
- Universal dummy-port for D-series socket or M25 cable gland
- All audio signals separately wired to / from the amp
- Very low construction depth and weight
- Adaptable to various power amplifier with cable adapters
- Lightweight aluminium construction

## Technical data:

Dimensions: (W x H x D): 483 x 88 x 82 mm
Weight: 1,4 kg

Images: CatCore

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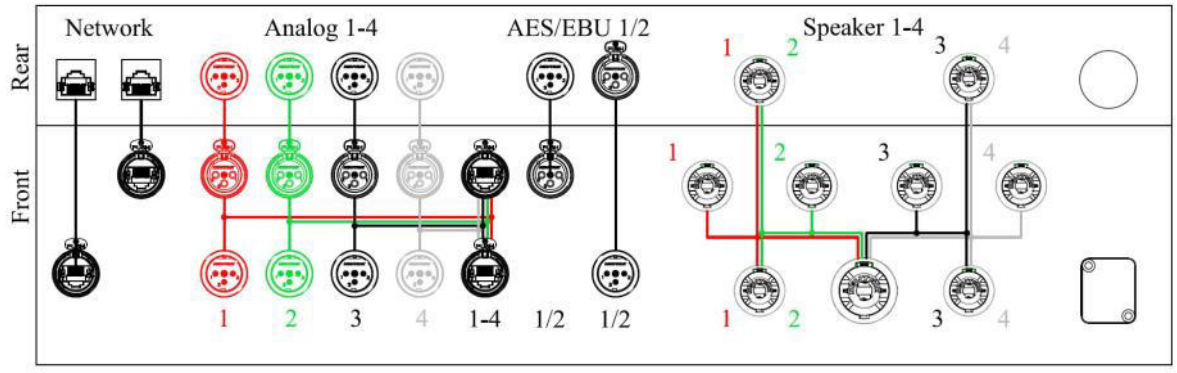
# X4-LS-T - Connection panel 4ch. with AES3 in/out separated


**Picture: X4-LS-T**

## Speaker panel 4-Ch. with AES3 in/out separated, e.g. for Powersoft T-Series

Connection panel for four-channel amps with separated AES/EBU connectors. Two Ethercon through jacks, 4x analog in/out as XLR and CatCore, 2-Ch AES/EBU in/out. Loudspeaker output via 4x Speakon solo (A,B,C,D), 2x Speakon biamp (A+B / C+D) and Speakon 8pin (A/B/C/D). Dummy port for individual additional socket. Connection on back via XLR and Speakon. Extremely low depth and weight, universally adaptable to various power amplifier models.

## Schematic:




**Wiring scheme: X4-LS-T**

## Variants:

| | |
|---|---|
| X4-LS-T | Connection panel 4-channel universal 2 RU, Speakon<br>Analog connections, AES in / output separat<br>Inputs/outputs linked |

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# X4-LS-T - Use case:


**Application example: X4-LS-T**

## Powersoft T604 single rack

Trunk insert with Powersoft T604 power amplifier. The universal 2RU panel provides all relevant connections on the front. In addition, the analog audio signals are now available as a loop-through, which is not provided on the power amplifier itself. Furthermore, the output section is extended by an 8-pin Speakon output.

## Special features and applications:

- Universal Panel for single amplifiers with 1x AES in/out (e.g. Powersoft T-Series))
- All relevant connections accessible on the front
- Additional parallel signal outputs for connecting further racks
- Universal dummy-port for D-series socket or M25 cable gland
- All audio signals separately wired to / from the amp
- Very low construction depth and weight
- Adaptable to any power amplifier with cable adapters
- 4mm² internal speaker wiring for minimized losses
- Lightweight aluminium construction

## Technical data:

Dimensions: (W x H x D): 483 x 88 x 60 mm
Weight: 1,3 kg

Images: CatCore

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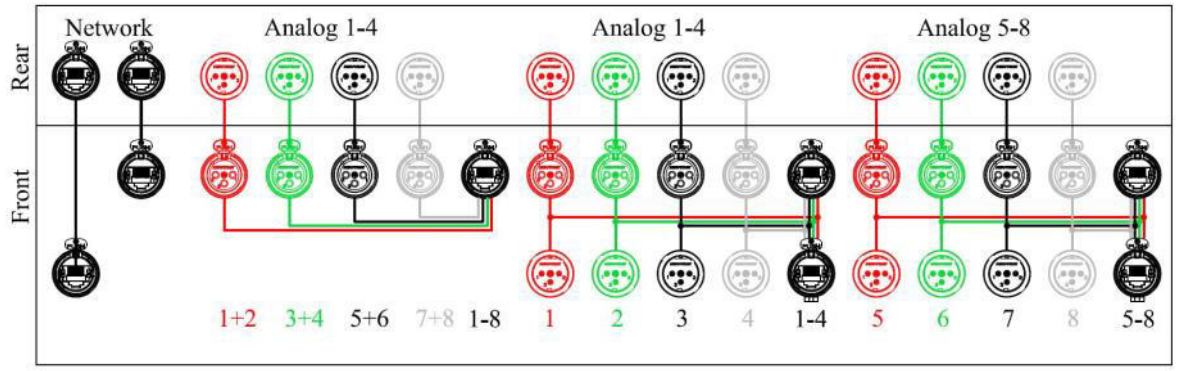
# X8-NF - Input panel for eight channel audio amps


**Picture: X8-NF**

## Input panel for eight-channel power amplifiers, e.g. Powersoft X8

Versatile connection panel for eight channel audio amplifiers with separated AES3 inputs, analog in/outs and two network inputs. Four analog or eight digital (AES/EBU) signals each can be connected both via XLR and CatCore. Two network through jacks are provided for control signals or digital audio (e.g. Dante) to the amplifier. All audio connections are provided as XLR sockets at the rear, making the panel adaptable to various amps.

## Schematic:




**Wiring scheme: X8-NF**

## Variants:

X8-NF Audio in/out-panel for 8-channel amps

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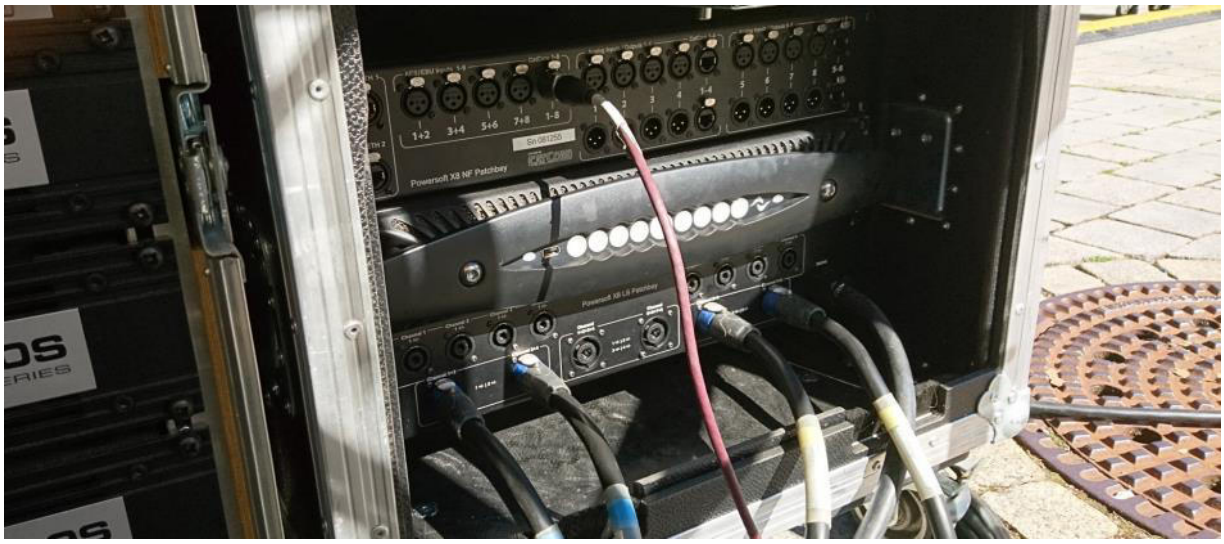
## X8-NF - Use case:



**Application example: X8-NF**

### Touring case for Powersoft X8

Stackable system case for professional event and touring applications. All connections are arranged on the front, and offer additional connections for linking the audio signals from rack to rack to scale up systems.

### Special features and applications:

- Various ins and outs clearly arranged for eight channel amps, e.g. Powersoft X8
- Separat AES3 inputs
- Parallel audio outputs—initially not provided by the amp
- Simple daisychaining for analog audio via CatCore
- Two Ethercon through sockets for control network
- Lightweight aluminium construction

### Technical data:

Dimensions: (W x H x D): 483 x 88 x 60 mm
Weight: 1,3 kg

Images: CatCore

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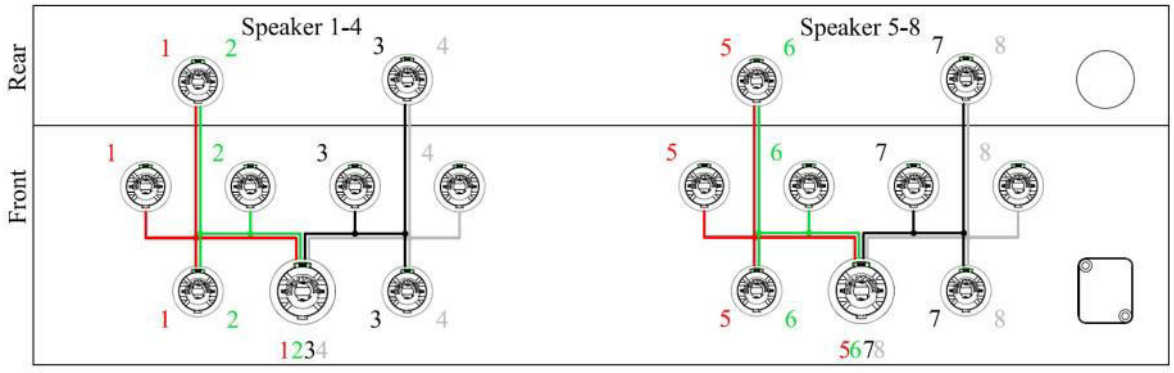
# X8-LS - Ouput panel for eight channel audio amps


**Picture: X8-LS**

## Output connection panel for eight-channel power amplifiers

Versatile connection panel with Speakon 4- and 8-pin for eight-channel power amplifiers. Speaker outputs via 12x Speakon (8x solo, 4x biamp and 2x 8pin). Rear inputs via 4x Speakon fully wired. Extremely low depth, universally adaptable to various amplifier models. 4mm² internal wiring for minimized losses. Additional D-series cutout for individual modification or power cable inlet.

## Schematic:




**Wiring scheme: X8-LS**

## Variants:

| | |
|---|---|
| X8-LS | Connection panel for speaker outputs,<br>8-channel Speakon NL4 + NL8 |

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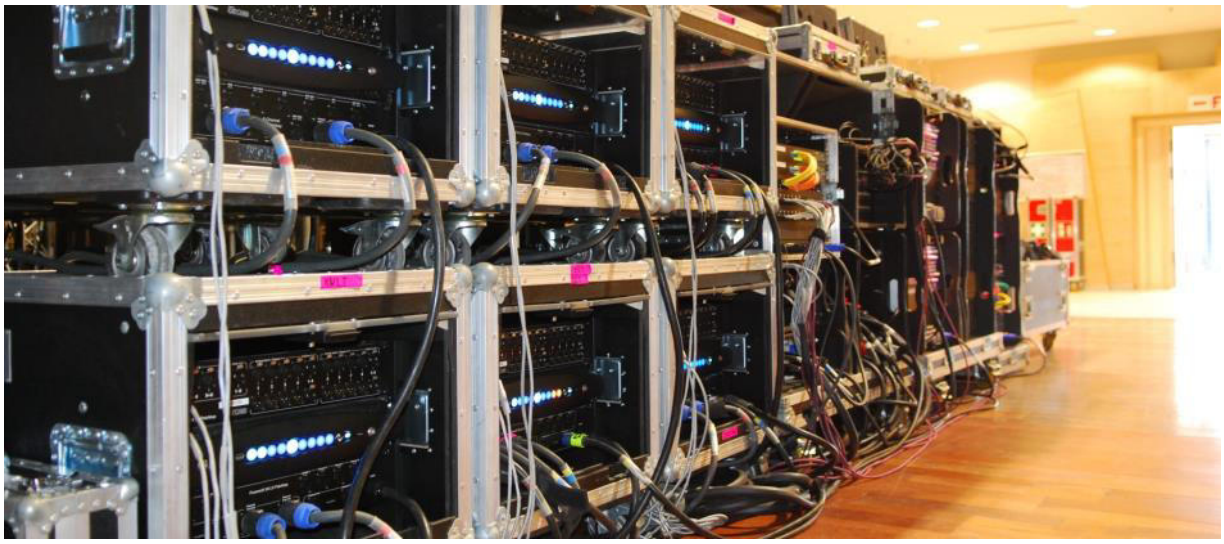
# X8-LS - Use case:



**Application example: X8-LS**

## Powersoft X8 system rack

Stackable system racks with Powersoft X8 power amps. The panels provide multiple connections. Depending on application eight individual, four biamp or two four-channel systems can be driven. The panel also accomodates a D-Series cutout for custom modification or cable inlet. The racks feature standard dimensions for optimized truck loading when stacked in pairs. Slide-in crystal front lids for simple setup without loose parts.

## Special features and applications:

- Suitable for single channel, biamp or four way speaker operation
- Low depth for minimum weight and space requirement
- Individually adaptable to various amps
- Additional cutout for D-series / M25 cable feedthrough for custom modification
- 4mm² internal speaker wiring for minimized losses
- Lightweight aluminium construction

## Technical data:

Dimensions: (W x H x D): 483 x 88 x 60 mm
Weight: 1,3 kg

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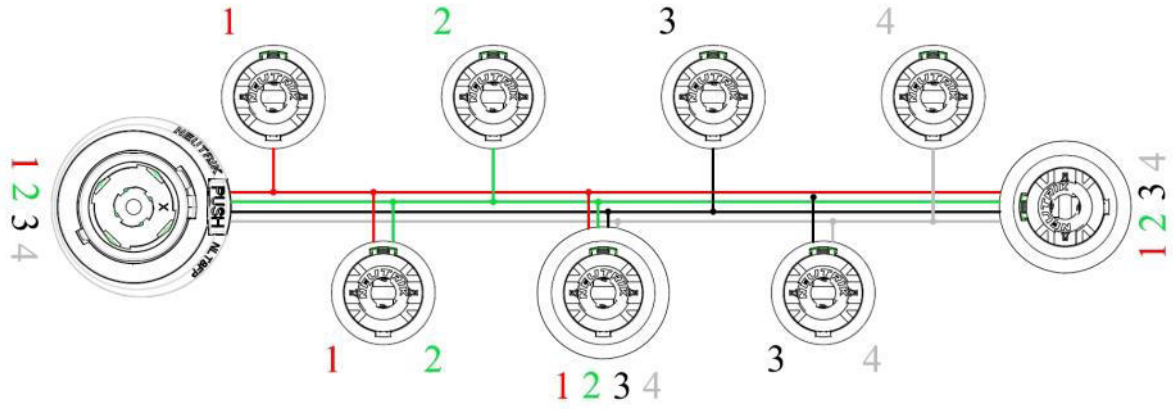
# SBB-U - Stagebox NL8 / NL4 Multifunctional outputs

**Picture: SBB-U Basic**

## Speakon Stagebox NL8 to 6x NL4 with link output

Universal Speakon stage box with 8pin male/female on sides plus 8pin split output on top. 4x single out, 2x biamp and four channel (NL8). Protruding housing flanks to protect the installed connectors. Mounting holes and M10 thread on bottom for direct screw mounting, or for attaching safety ropes for standard-compliant use over audience. Internal wiring with 4mm² cross section.

## Schematic:




**Wiring scheme: SBB-U Basic**

## Variants:

| | |
|---|---|
| SBB-U Basic | Assignment NL4: 1 / 2 / 3 / 4 |
| SBB-C Parallel | Assignment NL4: 1+1/2+2/3+3/4+4<br>Manufacturing upon request |

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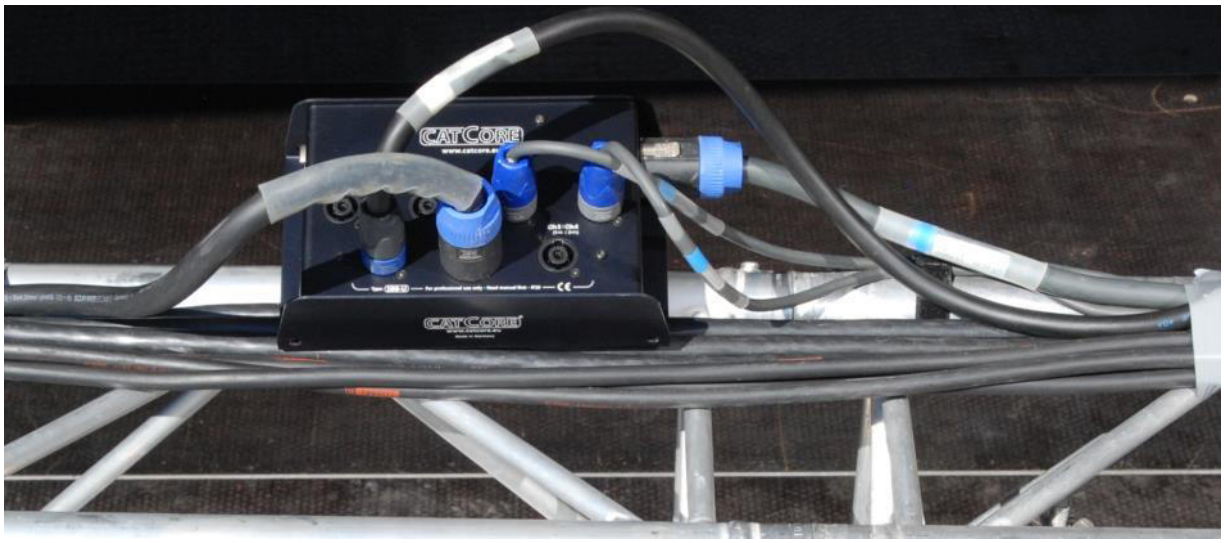
## SBB-U - Use case:



**Practical example: SBB-U Basic**

### Speakon-Splitbox on truss

Splitbox for loudspeaker signals on truss. Safe use over audience with mini TV spigot/ Manfrotto clamp and safety rope. The connections always remain accessible, and unlike cable splits, will not be covered by cable bundles. The Stagebox was used in the shown case to feed side- and outfills with only one NL8 baseline in the rig. Another box for the opposite side of the stage was connected through the link output.

### Special features and applications:

- Versatile Speakon stagebox for loudspeaker signal distribution
- Male and female 8pin connectors allows daisychaining
- Use with both conventional and extendable NL8 cables possible
- Layout same as X4 and X8 panels
- Suitable for single and biamp wired speakers
- Mounting holes for safety ropes allow standard-compliant use even above audience
- M10 threaded sleeve on the rear for mounting clamp or mini TV spigot

### Technical data:

Dimensions: (W x H x D): 230 x 58 x 140 mm
Weight: 1,0 kg

Images: CatCore

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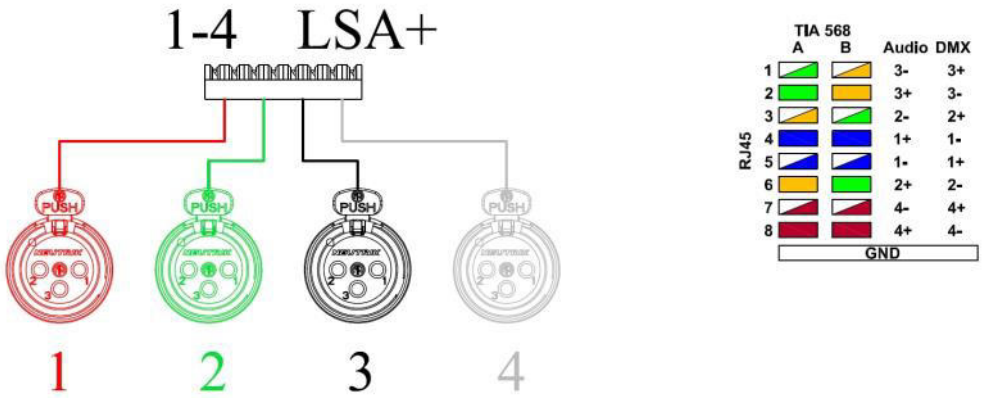
# SMS-Install - Stagebox 4x XLR for permanent installation

**Picture: SMS-I 3F**

## Single row stagebox for CAT-cable to 4x XLR

Stagebox for permanent mounting, made of aluminium and stainless steel screws. One system Cat to 4x XLR with direct cable connect via LSA+/IDC insulation displacement terminal. Cable inlet through strain relief, input optionally left, right or from backside. Various mounting holes for secure fixing. Overlapping housing flanks protect the connectors.

## Schematic:




**Wiring scheme: SMS-I 3F**

## Variants:

| | |
|---|---|
| SMS-I 3F | IDC-Terminal / 4x XLR 3pin female |
| SMS-I 3M | IDC-Terminal / 4x XLR 3pin male |
| SMS-I 5F | IDC-Terminal / 4x XLR 5pin female |
| SMS-I 5M | IDC-Terminal / 4x XLR 5pin male |

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## SMS-I - Use case:

**Practical example: SMS-I 3F**

### Audio input for DJ in ice-skating arena

Remote input box for DJ in an ice hockey stadium. In the course of renovation work an additional input was installed on the gangway close to the ice rink. A network cable from the former installation was reused. The fixed cable entry prevents unwanted disconnection of the supply line. Installation is particularly easy due to the mounting holes located outside the basic corps of the box.

### Special features and applications:

- Cost effective cabling
- Permently installed cable avoids accidentially unmating
- Cable inlet optionally left or right or from backside
- Perfect for feed via cable ducts
- Fast assembly via LSA+/IDC terminals
- No soldering at place of installation required
- Simple mounting on furniture, walls or on the floor
- Various versions for audio, intercom or DMX

### Technical data:

Dimensions: (W x H x D): 205 x 50 x 50 mm
Weight: 0,3 kg

Images: CatCore

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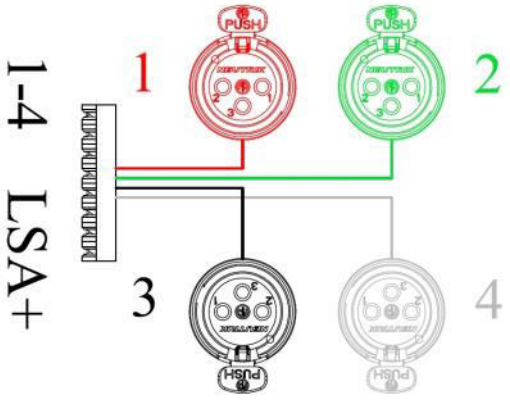
# UP-xx - Wall outlet 4x XLR

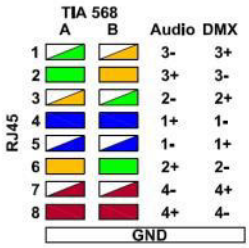

**Picture: UP-3M-W**

## Wall outlet with 4x XLR connectors in standard frame

Cover frame for standard flush-mount boxes from 40mm depth. Unique design provides four XLR connections in a single frame. High end finish with painted aluminium front for architecturally demanding environments. Solderless connection via IDC terminal strips for fast installation. Available in white, silver and black. Supplied with matching cover frame from Busch-Jaeger Future® Linear series.

## Schematic:




**Wiring scheme: UP-3F-xx**

**Variants:** (W- White, S- Silver, B- Black)

| | |
|---|---|
| UP-3F-x | IDC-Terminal / 4x XLR 3pin female |
| UP-3M-x | IDC-Terminal / 4x XLR 3pin male |
| UP-5F-x | IDC-Terminal / 4x XLR 5pin female |
| UP-5M-x | IDC-Terminal / 4x XLR 5pin male |
| UP-3FFMM-x | IDC-Terminal / 2x XLR 3M + 2x XLR 3F |
| UP-3MMFF-x | IDC-Terminal / 2x XLR 3F + 2x XLR 3M |

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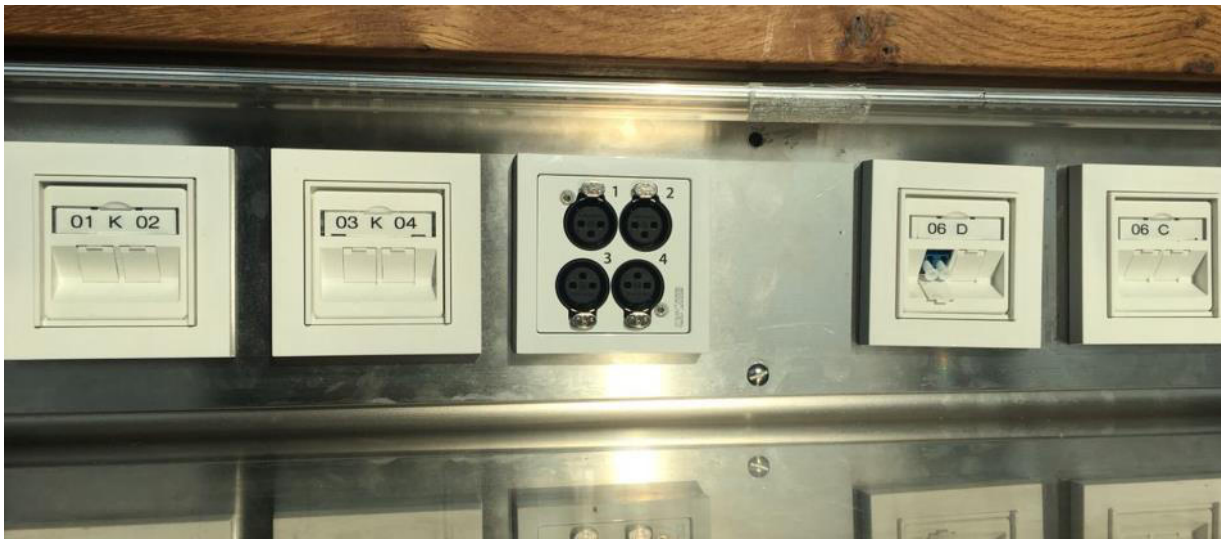
## UP - Use case:




**Practical example: UP-3F-W**

### Flush mount insert installed in counter

DJ input in an reception desk at a conference center. Dececent integration of an UP-3F-W outlet with minimized space requirement. The subsequent installation could be realised simply and cost effective using already existing network cables from a former installation.

### Special features and applications:

- Decent appearance in architecturally demanding environments
- Unique design for highest packing density
- Fast assembly
- No soldering required at place of installation
- Compatible with the switch series Busch-Jaeger Future® Linear
- Standard colors white and silver
- Black versions available for rooms with dark walls like theatres and cinemas

### Technical data:

Dimensions: (W x H x D): 80 x 80 x 45 mm
Weight: 0,1 kg

Images: CatCore / L. Hunger

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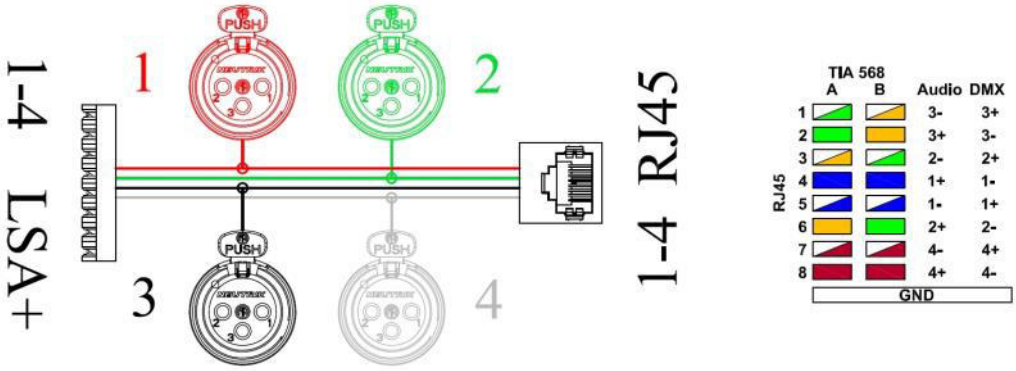
# SysMod - Front panel for modular carrier systems


**Picture: SysMod 3F**

## Front panel with 4x XLR connectors for Sommercable Sys...Series

Compact connection panel for module carrier from Sommercable. 2x2 arrangement for particularly slim design. Connection via LSA+/IDC terminal strips, and RJ45 socket in parallel. Easy to use either with direct connection to network cable, or via patchcord and EDAT modules. Thois allows testing of installed cables upfront  Solid aluminium front with laser engraving.

## Schematic:




**Wiring scheme: SysMod 3F**

## Variants:

SysMod 3F  LSA+/IDC, RJ45, 4x XLR 3pin female
SysMod 3M  LSA+/IDC, RJ45, 4x XLR 3pin male
SysMod 5F  LSA+/IDC, RJ45, 4x XLR 5pin female
SysMod 5M  LSA+/IDC, RJ45, 4x XLR 5pin male

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# SysMod - Use case:


**Practical Example: SysMod 3F**

## Floor tank insert

Modular cover installed in floor tank insert "SysFloor®" from Sommercable. In contrast to the modules offered by the manufacturer, the 2x2 arrangement creates space to accommodate additional power sockets or loudspeaker connections even in small floortanks.

## Special features and applications:

- Compatible with Sys... modular covers from Sommercable.
- 2x2 arrangement saves space for additional modules
- Connection via LSA+/IDC terminal strip and RJ45 socket in parallel on rear
- Using RJ45 allows pre-assembling and testing cables in advance to final installation.
- IDC allows using cables off the reel without separate termination
- Parallel IDC/RJ45 inputs also allow linking of modules

## Technical data:

Dimensions: (W x H x D): 71x 86 x 45 mm
Weight: 0,1 kg

Images: CatCore

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