

SYS BOXX

THE MODULAR SYSTEM BY **SOMMER** CABLE



MODULAR SYSTEMS

Detailed information and SYSBOXX configurator available under
www.sysboxx.com or in the **SOMMER** CABLE Main Catalogue.

SYSBOXX MKII THE NEW MODULAR DIMENSION:

- NEW!** Compatible with DIN 41494
- NEW!** Additional installation level
- NEW!** Optimized EMC-safety
- NEW!** Absolutely solid with a panel thickness of 2.5 mm

Please note:

Independent assembly of distribution systems and systems with our SYSBOXX-components is at your own risk. **SOMMER** CABLE is not responsible for personal and material damages resulting from customer non-observance of the generally applicable guidelines.

The guidelines set forth in DIN VDE 0100, Parts 410, 430 ff., as well as DIN VDE 0701, DIN VDE 0702 must be observed.

SYSBOXX MKII – THE MODULAR BOX WITH SYSTEM

Now everyone gets what they deserve!

Regardless of where you come from, event or media technologies, the installation sector, or A/V broadcasting. The **SYSBOXX** will fulfill all of your expectations: For example, your customer wants a mixing board, a beamer, a DMX-controlled coffee maker (!), two PC's with flat screen, two mice with cheese, and a transmission vehicle with one box. From now on it will be possible – thanks to the **SYSBOXX**.

With the new MKII-version, now you can even realize industrial applications in compliance with DIN41494.

The compact design...

of the system is really surprising. We can e.g. fit a 24 in 8 stagebox with round or square multipins in an incredibly small 2 U casing.

And the **SYSBOXX** can be configured as a 19" system or a floor and wall box with variable width.

With the connection profile the 2 or 3 U modules can be enlarge to a multiple of their height (possible height units: 2 U, 3 U, 4 U, 6 U, 8 U).

The standard casing depth is 80 mm or 140 mm.

The secret...

is a stable and compact sandwich design, consisting of two specially developed, coated **SYP**-profiles for individual installation with our front **SYF**-panels at the front and rear, as well as the **SYS**-side panels from our extensive program.

Our service:

You can design your **SYSBOXX** according to your requirements with our web-configurator under www.sysboxx.com or just tell us what they are. We will be glad to send you a purchase offer for all the required components. You can also order the **SYSBOXX** completely installed and pre-wired. The installation prices includes the **SOMMER CABLE** 5 Years **Functional Warranty**.



SYS BOXX

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DIN41494 compatible

Which plug?

On the following pages the matching plug connectors and looms for the **SYSBOXX** are identified with our **SYSBOXX-logo**. Here you can realize the most adventurous configurations. Some examples can be found under www.sysboxx.com

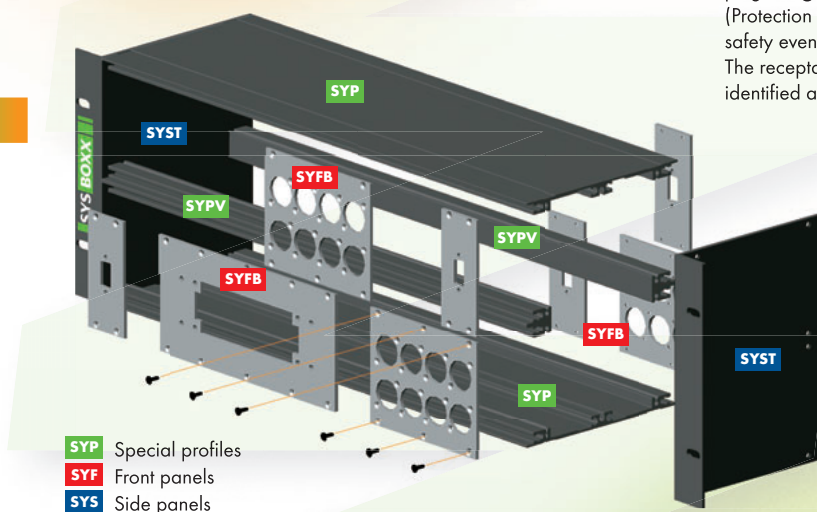
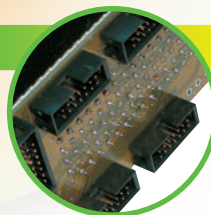
The front panels...

are made of **2.5 mm thick** coated, indestructible stainless steel. They are either available with components or as blanks, ready to connect. We mostly use counter-sunk torque screws. Most of the **holes** for the plug connectors are **threaded**, which significantly **reduces** the installation time and makes counter-nuts obsolete.



The inside wiring...

for the audio connectors are simple 14- or 16-pin **flat belt cables** (crosstalk damping 100 dB – measured on an open input), usually with a separate ground and an additional ground for the casing. The flat plug has **genuine gold-plated contacts** (Protection Class 2) and a lock that ensures safety even during tough stage operation. The receptacles on the boards are clearly identified and numbered.



SYP Special profiles
SYF Front panels
SYS Side panels



PRODUCT ADVANTAGES compared to systems available on the market:

- Time savings due to short installation and configuration times
- Easy to assemble with pre-cut threading and simple inside wiring with flat belt cables
- Fine optics with counter-sunk screw heads and an attractive charcoal coating
- Clean and individual labeling options
- Clearly structured – with 6 different front panel widths
- Absolutely modular (front, rear, side)

- Compact construction (2 U base – even for LK150-pin)
- High stability with 2.5 mm panel thickness
- Perfect user support with web-configurator under www.sysboxx.com

NEW!

NEW!

- 5 Year Functional Warranty
- Absolute compatibility with DIN 41494 Parts 1, 2, and 5 for the integration of components commonly available on the market (Ghielmetti, MHN, Kramer, etc.). 7 HP (horizontal pitch) correspond to

1 WU (width unit) of the SYSBOXX MKII.
19" = 84 HP = 12 WU

NEW!

NEW!

NEW!

- Additional assembly level in 140 mm deep casing – ideal for installation of transmitters, electronic components, top-hat rail adapt., etc.

- Optimized EMC-safety

- RoHS-Conformity

CAUTION! The MKII is not compatible with the previous version.
For configuration examples – see www.sysboxx.com

SYSBOXX MKII CASING PROFILES

SYSBOXX MKII complete casing kits for rack or wall installation

Consisting of: 2 x standard profiles + 2 side panels with rack angle + 4 threading strips + ground and screw set

ORDER-NO. DESCRIPTION

SYG12-02-03	SYSBOXX casing kit, 19", 3 U, depth approx. 140 mm
SYG12-01-03	SYSBOXX casing kit, 19", 3 U, depth approx. 80 mm
SYG12-02-02	SYSBOXX casing kit, 19", 2 U, depth approx. 140 mm
SYG12-01-02	SYSBOXX casing kit, 19", 2 U, depth approx. 80 mm
SYG06-02-03	SYSBOXX casing kit, 9.5", 3 U, depth approx. 140 mm
SYG06-01-03	SYSBOXX casing kit, 9.5", 3 U, depth approx. 80 mm
SYG06-02-02	SYSBOXX casing kit, 9.5", 2 U, depth approx. 140 mm
SYG06-01-02	SYSBOXX casing kit, 9.5", 2 U, depth approx. 80 mm

SYP SYSBOXX MKII standard profiles ALUMINUM (width unit 1 WU = 35.6 mm) **NEW!**

ORDER-NO.	DESCRIPTION	WIDTH
SYP2-12	SYSBOXX standard profile, 140 mm depth 19" = 12 WU = 427 mm (± 84 HP)	
SYP2-06	SYSBOXX standard profile, 140 mm depth 9.5" = 6 WU = 214 mm (± 42 HP)	
SYP2-03	SYSBOXX standard profile, 140 mm depth 3 WU = 107 mm (± 21 HP)	
SYP1-12	SYSBOXX standard profile, 80 mm depth 12 WU = 427 mm (± 84 HP)	
SYP1-11	SYSBOXX standard profile, 80 mm depth 11 WU = 392 mm (± 77 HP)	
SYP1-10	SYSBOXX standard profile, 80 mm depth 10 WU = 356 mm (± 70 HP)	
SYP1-09	SYSBOXX standard profile, 80 mm depth 9 WU = 321 mm (± 63 HP)	
SYP1-08	SYSBOXX standard profile, 80 mm depth 8 WU = 285 mm (± 56 HP)	
SYP1-07	SYSBOXX standard profile, 80 mm depth 7 WU = 249 mm (± 49 HP)	
SYP1-06	SYSBOXX standard profile, 80 mm depth 6 WU = 214 mm (± 42 HP)	
SYP1-05	SYSBOXX standard profile, 80 mm depth 5 WU = 178 mm (± 35 HP)	
SYP1-04	SYSBOXX standard profile, 80 mm depth 4 WU = 143 mm (± 28 HP)	
SYP1-03	SYSBOXX standard profile, 80 mm depth 3 WU = 107 mm (± 21 HP)	
SYP1-02	SYSBOXX standard profile, 80 mm depth 2 WU = 72 mm (± 14 HP)	
SYP1-01	SYSBOXX standard profile, 80 mm depth 1 WU = 36 mm (± 7 HP)	

SYSBOXX MKII threading strips (2 pcs. per standard profile) **NEW!**

ORDER-NO.	DESCRIPTION
SYGS-12	SYSBOXX threading strips 12 WU = 19" (± 84 HP)
SYGS-06	SYSBOXX threading strips 6 WU = 9.5" (± 42 HP)

SYSBOXX MKII labeling profiles for top or bottom installation **NEW!**

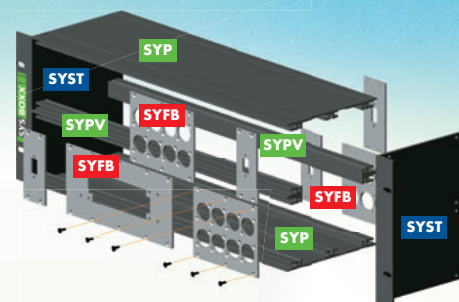
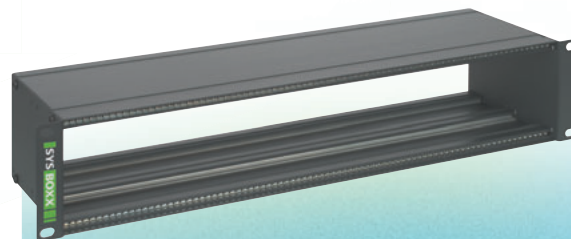
for labeling strips 6 - 7 mm high and 426 mm long

ORDER-NO.	DESCRIPTION
SYP5-12	SYSBOXX labeling profile 12 WU = 19"
SYPK-12	SYSBOXX transparent strips 12 WU = 19" for labeling profile
NSSB-01-48	12 labeling strips with successive numbering in an array of 4.6 mm high

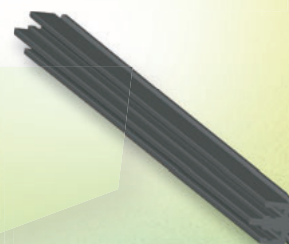
SYPV SYSBOXX MKII labeling profiles aluminum – for multiple height **NEW!**

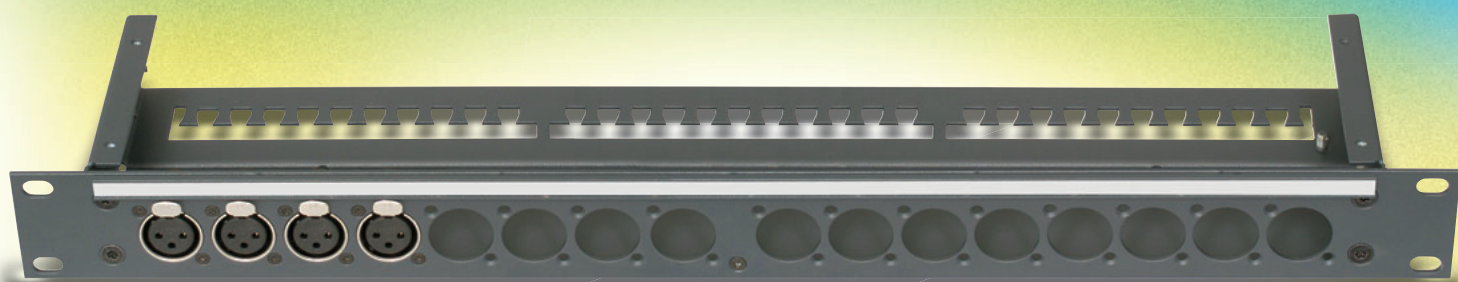
ORDER-NO.	DESCRIPTION	WIDTH
SYPV-12	SYSBOXX connecting profile	12 WU = 427 mm (± 84 HP)
SYPV-11	SYSBOXX connecting profile	11 WU = 392 mm (± 77 HP)
SYPV-10	SYSBOXX connecting profile	10 WU = 356 mm (± 70 HP)
SYPV-09	SYSBOXX connecting profile	9 WU = 321 mm (± 63 HP)
SYPV-08	SYSBOXX connecting profile	8 WU = 285 mm (± 56 HP)
SYPV-07	SYSBOXX connecting profile	7 WU = 249 mm (± 49 HP)
SYPV-06	SYSBOXX connecting profile	6 WU = 214 mm (± 42 HP)
SYPV-05	SYSBOXX connecting profile	5 WU = 178 mm (± 35 HP)
SYPV-04	SYSBOXX connecting profile	4 WU = 143 mm (± 28 HP)
SYPV-03	SYSBOXX connecting profile	3 WU = 107 mm (± 21 HP)
SYPV-02	SYSBOXX connecting profile	2 WU = 72 mm (± 14 HP)
SYPV-01	SYSBOXX connecting profile	1 WU = 36 mm (± 7 HP)

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Installation of the labelling strips





SYS PANEL || THE UNIVERSAL INSTALLATION OPTION FOR AUDIO DISTRIBUTION

The SYSPANEL is ideal for fast installation of patch fields, connection distributors, or transfer points, e.g. in central control rooms.

The SYSPANEL can be variably equipped with four 4-channel XLR-modules. The modules are equipped with 4 x NEUTRIK B-Series XLR each on 12 cutting/clamping receptacles in LSA-technology. This enables e.g. quick and easy installation of our installation cable LOGIC. Also, Neutrik EtherCon-connections via CPU-module SBC13-4NE8-LSA for combined operation of network and audio is possible as well. For proper strain relief of the infeed cable the casing is equipped with 28 metal tabs for installation of cable binders. An M4-grounding bolt is provided for proper grounding.

The SYSBOXX-labeling profile can be individually labeled. A cover can be installed on the casing from above. Module and labeling profile can be installed on the front with self-threading M2.5-torx screws. Please order the screws separately (VPE 50 pcs./torx size 8).

ORDER-NO.	DESCRIPTION
SYSPAN	Casing SYSPANEL
SYSPAN-C	Cover for SYSPANEL
SYC13-4XF-LSA	XLR-module 4 x Neutrik female
SYC13-4XM-LSA	XLR-module 4 x Neutrik male
SBC13-4NE8-LSA	Module with 4 x EtherCon connectors, A-flange, cutting-clamping, RJ45 female
S-M2,5X8SGF-I	Mounting screws (VPE 50 pcs.)
SYPS-12	Labeling profile
NSSB-01-48	Labeling strips Channels 1 - 48

SYS FLOOR || FLOOR TANK INSERT WITH SYS BOXX || SYSTEM

MODULAR FLOOR SYSTEM BY SOMMER CABLE

The ideal installation rack made of solid 2.0 mm powder-coated stainless steel for modular installation in all areas of media technology, for audio, video, and power. Up to 16 x D-flange modules can be installed in a width of 9.5", 6 WU (6 width units = 42 HP accord. to DIN).

The SYSFLOOR is compatible with the round and square Ackermann floor tank (e.g. GESR9) and is equipped with mounting holes in a 5.08 mm grid array (for self-threading screws M2.5, accord. to DIN 7500).

The tough strain relief with 19 cable installation positions provides perfect assembly options. A ground pin M3 and shiny, conductive support surfaces for front panel installation are provided for PE-connection.

Suitable front panels and installation screws are available on the SYSBOXX pages or under www.sysboxx.com. Delivery without floor tank.

ORDER-NO.	DESCRIPTION
SYSFLOOR-06	Installation rack for floor tank, 6 WU can be equipped with SYSBOXX MKII front panels 2 U
S-M2,5X8SGF-I	Screw set, 50 x M2.5x10 counter-sunk screws (Torx 8) for front panel installation



variable installation options
for 2 U front panels

For configuration examples see:
www.sysboxx.com

Example for application



SYSBOXX MKII SIDE PANELS

SYS SYSBOXX MKII SIDE PANELS – please order 2 for each SYSBOXXI

ORDER-NO.	DESCRIPTION
SYST21-L	Side panel, 2 U, 80 mm depth, blank panel
SYST22-L	Side panel, 2 U, 140 mm depth, blank panel
SYST21-LK24	Side panel 2 U, 80 mm depth, 1 x LK24/25 (CIR-size 24)
SYST21-LK37	Side panel, 2 U, 80 mm depth, 1 x LK37 Tourlock (CIR-size 28)
SYST21-LK85	Side panel, 2 U, 80 mm depth, 1 x LK85/LK150 Tourlock soldered/crimped version
SYST21-PG29	Side panel, 2 U, 80 mm depth, 1 x PG29
SYST31-L	Side panel, 3 U, 80 mm depth, blank panel
SYST32-L	Side panel, 3 U, 140 mm depth, blank panel
SYST41-L	Side panel, 4 U, 80 mm depth, blank panel
SYST42-L	Side panel, 4 U, 140 mm depth, blank panel
SYST41-MP06/10	Side panel, 4 U, 80 mm depth, 1 x MP06/MP10 ILME, Harting
SYST61-L	Side panel, 6 U, 80 mm depth, blank panel
SYST62-L	Side panel, 6 U, 140 mm depth, blank panel
SYST81-L	Side panel, 8 U, 80 mm depth, blank panel
SYST82-L	Side panel, 8 U, 140 mm depth, blank panel
SYST21-LR	Side panel, 2 U, 80 mm depth, blank panel, rack angle
SYST22-LR	Side panel, 2 U, 140 mm depth, blank panel double, rack angle
1 SYST31-LR	Side panel, 3 U, 80 mm depth, blank panel, rack angle
SYST32-LR	Side panel, 3 U, 140 mm depth, blank panel double, rack angle
SYST41-LR	Side panel, 4 U, 80 mm depth, blank panel, rack angle
SYST42-LR	Side panel, 4 U, 140 mm depth, blank panel, rack angle
SYST61-LR	Side panel, 6 U, 80 mm depth, blank panel, rack angle
SYST62-LR	Side panel, 6 U, 140 mm depth, blank panel, rack angle
SYST81-LR	Side panel, 8 U, 80 mm depth, blank panel, rack angle
SYST82-LR	Side panel, 8 U, 140 mm depth, blank panel, rack angle

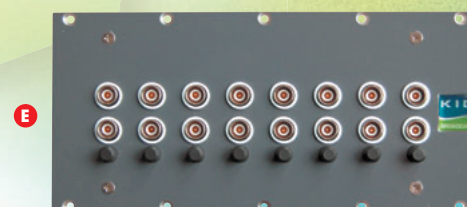
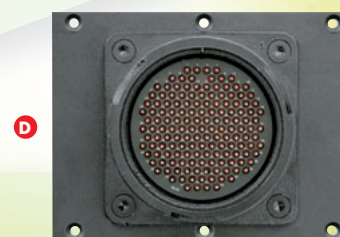
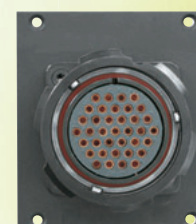
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1



SYSBOXX MKII PLUG CONNECTOR MODULES with flat plug connectors – includ. SYFB-front panel

ORDER-NO.	DESCRIPTION	
A SYC21-DC24	Power supply connection for IFV57 + VSCART	incl. SYFB21-DC24
B SYCFB22-LK08F	Plug connector module 2 U, 2 WU, 1 x LK 8-pin fem., CA-COM compat., 6.3 mm flat plug tongues	incl. SYFB22-SP
SYCFB22-LK08M	Plug connector module 2 U, 2 WU, 1 x LK 8-pin male, CA-COM compat., 6.3 mm flat plug tongues	incl. SYFB22-SP
SYCFB22-LK24M	Plug connector module 2 U, 2 WU, 1 x LK 24-pin male, 2 flat plugs 14-pin	incl. SYFB22-LK24 NEW!
C SYCFB22-LK37F	Plug connector module 2 U, 2 WU, 1 x LK 37-pin female, 3 flat plugs 14-pin	incl. SYFB22-LK37
SYCFB22-LK37M	Plug connector module 2 U, 2 WU, 1 x LK 37-pin male, 3 flat plugs 14-pin	incl. SYFB22-LK37
SYCFB22-NL8	Plug connector module 2 U, 2 WU, 1 x NL8MDV, 6.3 mm flat plug tongues	incl. SYFB22-SP
SYCFB23-LK85F	Plug connector module 2 U, 3 WU, 1 x LK 85-pin female, 7 flat plugs 14-pin	incl. SYFB23-LK85/150
SYCFB23-LK85M	Plug connector module 2 U, 3 WU, 1 x LK 85-pin male, 7 flat plugs 14-pin	incl. SYFB23-LK85/150
D SYCFB23-LK150M	Plug connector module 2 U, 3 WU, 1 x LK 150-pin male, 12 flat plugs 14-pin	incl. SYFB23-LK85/150
E SYCFB23-TA8	Plug connector module 2 U, 3 WU, 2 x 8 triax audio incl. jumper plug <=> 2 x SUB-D 25-pin female	



SYSBOXX-PLUG CONNECTOR MODULES with flat plug connectors – includ. SYST-side panel

ORDER-NO.	DESCRIPTION	
SYCST21-LK37F	Plug connector module 2 U, 80 mm depth, 1 x LK 37-pin female, 3 flat plugs 14-pin, side panel	incl. SYST21-LK37
SYCST21-LK37M	Plug connector module 2 U, 80 mm depth, 1 x LK 37-pin male, 3 flat plugs 14-pin, side panel	incl. SYST21-LK37
SYCST21-LK24M	Plug connector module 2 U, 80 mm depth, 1 x LK 24-pin male, 2 flat plugs 14-pin, side panel	incl. SYST21-LK24 NEW!

SYSBOXX MKII FRONT PANELS

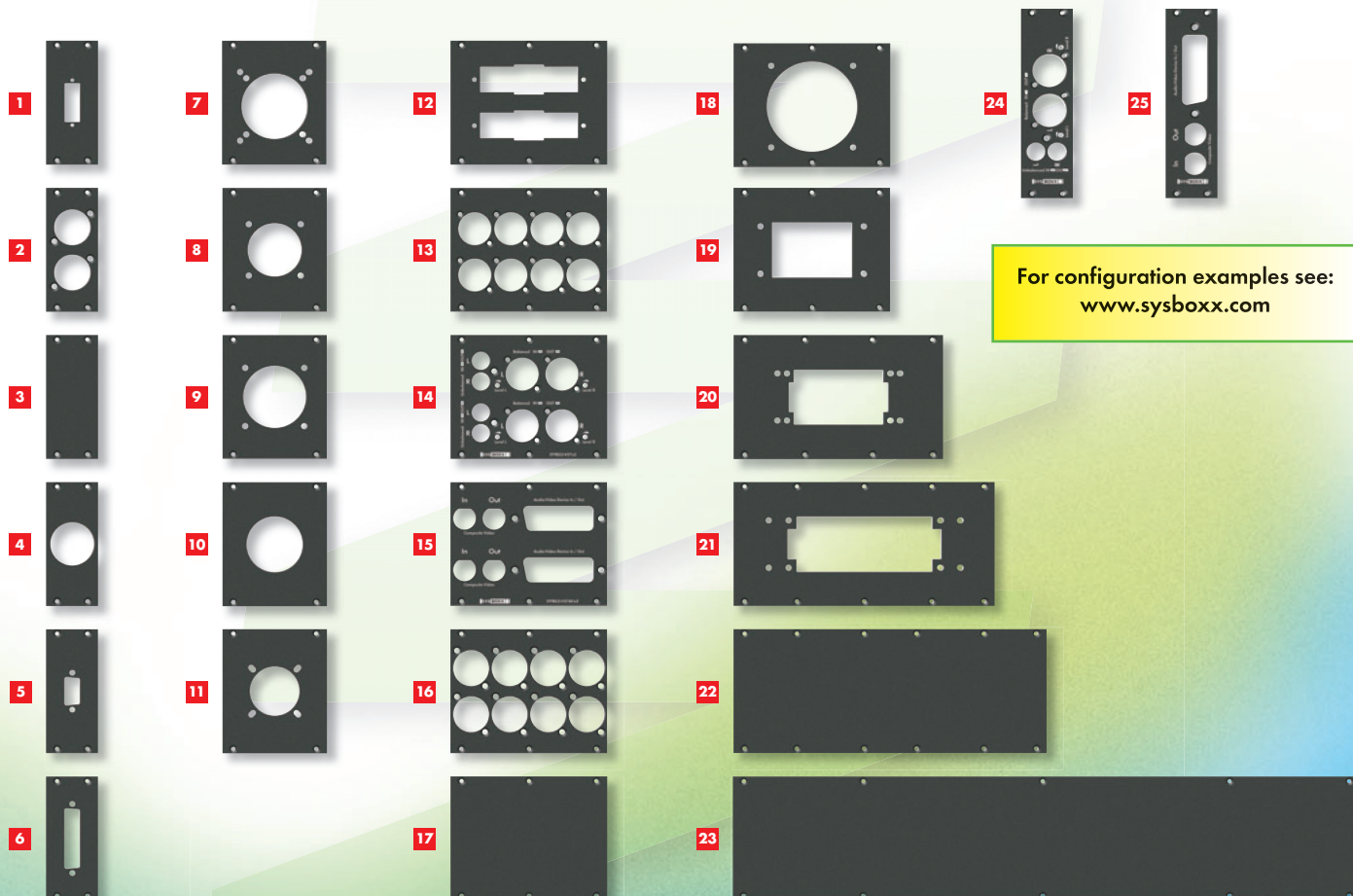


SYFB 2 U FRONT PANELS (width unit WU = 35.6 mm ± 7 HP) – for front and rear installation
SYSBOXX MKII

ORDER-NO.	DESCRIPTION	needed front panel screws
1 SYFB21-GF	Front panel, 2 U, 1 WU, 1 x fibre glass combi-insert	4 x S-M2,5X10S-I
2 SYFB21-2D	Front panel, 2 U, 1 WU, 2 x D-type	4 x S-M2,5X10S-I
3 SYFB21-L	Front panel, 2 U, 1 WU, blank panel	4 x S-M2,5X10S-I
4 SYFB21-PG21	Front panel, 2 U, 1 WU, 1 x PG21	4 x S-M2,5X10S-I
5 SYFB21-SUB09	Front panel, 2 U, 1 WU, 1 x SUB-D 09/HD15	4 x S-M2,5X10S-I
6 SYFB21-SUB25	Front panel, 2 U, 1 WU, 1 x SUB-D 25	4 x S-M2,5X10S-I
7 SYFB22-CEE3/SCH	Front panel, 2 U, 2 WU, 1 x CEE3-16/Schuko	4 x S-M2,5X10S-I
8 SYFB22-LK24	Front panel, 2 U, 2 WU, 1 x LK24/25 (CIR size 24)	4 x S-M2,5X10S-I NEW!
9 SYFB22-LK37	Front panel, 2 U, 2 WU, 1 x LK37 (CIR size 28)	4 x S-M2,5X10S-I
10 SYFB22-PG29	Front panel, 2 U, 2 WU, 1 x PG29	4 x S-M2,5X10S-I
11 SYFB22-SP	Front panel, 2 U, 2 WU, 1 x NL4/8MPR, NLT4, EP-connector, LK 8-pin	4 x S-M2,5X10S-I
12 SYFB23-2SIEM30	Front panel, 2 U, 3 WU, 2 x SIEMENS type male/female	6 x S-M2,5X10S-I
13 SYFB23-8A	Front panel, 2 U, 3 WU, 8 x A/B-type	6 x S-M2,5X10S-I
14 SYFB23-V57X2	Front panel, 2 U, 3 WU, for 2 x balancer/unbalancer V57	6 x S-M2,5X10S-I NEW!
15 SYFB23-SCARTX2	Front panel, 2 U, 3 WU, for 2 x adapter module SCART	6 x S-M2,5X10S-I NEW!
AP-4A-N	Cover panel for SYFB23-8A for 4 x A/B-type	-
16 SYFB23-8D	Front panel, 2 U, 3 WU, 8 x D-type	6 x S-M2,5X10S-I
17 SYFB23-L	Front panel, 2 U, 3 WU, blank panel	6 x S-M2,5X10S-I
18 SYFB23-LK85/150	Front panel, 2 U, 3 WU, 1 x LK85-pin/LK150-pin (CIR-size 40)	2 x S-M2,5X10S-I
19 SYFB23-MP06	Front panel, 2 U, 3 WU, 1 x MP06 ILME, Harting	6 x S-M2,5X10S-I NEW!
20 SYFB24-MP06/10	Front panel, 2 U, 4 WU, 1 x MP06/MP10 ILME, Harting	8 x S-M2,5X10S-I
21 SYFB25-MP16/24	Front panel, 2 U, 5 WU, 1 x MP16/MP24 ILME, Harting	10 x S-M2,5X10S-I NEW!
22 SYFB26-L	Front panel, 2 U, 6 WU, blank panel 9.5"	12 x S-M2,5X10S-I
23 SYFB2X-L	Front panel, 2 U, 12 WU, blank panel complete 19" width	10 x S-M2,5X10S-I

SYFB 3 U FRONT PANELS (width unit WU = 35.6 mm ± 7 HP) – for front and rear installation
SYSBOXX MKII

24 SYFB31-V57	Front panel, 3 U, 1 WU, for balancer/unbalancer IFV57	4 x S-M2,5X10S-I NEW!
25 SYFB31-SCART	Front panel, 3 U, 1 WU, for Scart adapter module VSCART	4 x S-M2,5X10S-I NEW!



SYSBOXX MKII PLUG CONNECTOR MODULES

SYSBOXX MKII PLUG CONNECTOR MODULE with tab plug connections – suitable for SYFB front panels
(width unit WU = 35.6 mm ± 7 HP)

ORDER-NO.	DESCRIPTION	Suitable SYFB-front panel (order separately)
SBC21-2SP	Plug connector module 2 U, 1 WU, 2 x NL4MDV1, 6.3 mm tab plug tongues	SYFB21-2D
1 SBC13-4XF	Plug connector module 1 U, 3 WU, 4 x XLR female, B-Series, 1 tab plug 14-pin	SYFB23-8A (2 pcs.)
2 SBC13-4XM	Plug connector module 1 U, 3 WU, 4 x XLR male, B-Series, 1 tab plug 14-pin	SYFB23-8A (2 pcs.)
3 SBC23-4XMF	Plug connector module 2 U, 3 WU, 4 x XLR male + female, 1 tab plug 14-pin	SYFB23-8A
SBC21-SUB25	Plug connector module 2 U, 1 WU, Tascam assignment, 1 x SUB-D 25-pin, 2 tab plugs 14-pin	SYFB21-SUB25
SBC13-SFL30	Plug connector module 1 U, 3 WU, female, Siemens type female 30-pin, gold-plated contacts, 2 tab plugs 14-pin + 1 tab plug 10-pin	SYFB23-2SIEM30
SBC13-SFM30	Plug connector module 1 U, 3 WU, male, Siemens type male 30-pin, gold-plated contacts, 2 tab plugs 14-pin + 1 tab plug 10-pin	SYFB23-2SIEM30
SBC13-4NE8-LSA	Module with 4 x EtherCon connectors, A-flange, IDC-version, RJ45 female	SYFB23-8A (2 pcs.)
4 SBC13-4XF1:1+1L*	Splitter module 1 U, 3 WU, 4 x XLR fem., B-Series, 1:1+1 LUNDAHL transformer , 3 tab plugs 14-pin	SYFB23-8A (2 pcs.)
SBC13-4XF1:1+1S*	Splitter module 1 U, 3 WU, 4 x XLR female, B-Series, 1:1+1 SOMMER CABLE transformer , 3 tab	SYFB23-8A (2 pcs.)
SBC-SMLA	Siemens type female/male 30-pin adapter card (2 x 10-pin + 2 x 14-pin IN, 3 x 14-pin OUT)	
SBC-4BREAK	12-pos. terminal clamp => 14-pin tab plug	
SBC-4BREAK-LSA	12 x LSA => 14-pin tab plug for ground wire	
SYC14/16AP NEW!	Adapter card 14 => 16-pin 2 U up to 8 channels, 3 U adaptable up to 12 channels	
5 SYC13-4XF-16 NEW!	Plug connector module 1 U, 3 WU, 4 x XLR female, B-Series, 1 tab plug 16-pin, ground coding accord. to IRT, PE, and F/PE ground lift	SYFB23-8A (2 pcs.)
6 SYC13-4XM-16 NEW!	Plug connector module 1 U, 3 WU, 4 x XLR male, B-Series, 1 tab plug 16-pin, ground coding accord. to IRT, PE, and F/PE ground lift	SYFB23-8A (2 pcs.)

* Incl. electronically activated resonance damping and signal isolation.
A casing with 2 DU is required!

SYSBOXX MKII AMPLIFIER MODULES

ORDER-NO.	IFV57-AS	IFV57-SA
Input unbalanced:	2 x cinch female	-
Input balanced:	-	2 x XLR 3-pin female
Impedance:	In: ≥ 25 kΩ, unbalanced	Out: ≥ 50 kΩ
Output unbalanced:	-	2 x cinch female
Output balanced:	2 x XLR 3-pin male	
Trafo-balanced not grounded:	Impedance < 50 Ω	Impedance > 10 kΩ
Input level for output +6 dBu:	-18 dBu min. +18 dBu max. (variable)	-30 dBu min. +12 dBu max. (variable)
Frequency resp. 20-20000 Hz:	≤ 1 dB	≤ 1 dB
Distortion factor at 1 kHz:	≤ 0.1 %	≤ 0.1 %
Interference voltage clearance:	V=12 dB; ≤ 90 dB	V = 12 dB; < 90 dB
Max. output level:	Out: + 18 dBu	In: + 18 dBu

SYSBOXX MKII A/V INTERFACE MODULE

SCART ⇒ 2 x BNC Damar+Hagen + 2 x audio link to IFV57 module

Internal adaption audio signal to audio module + adaption video to BNC

Pin assignment SCART:

1 Audio Out R	4 Audio GND	17 Composite GND
2 Audio IN R	6 Audio IN L	19 Composite Out
3 Audio Out L		20 Composite In

ORDER-NO.

IFVSCART

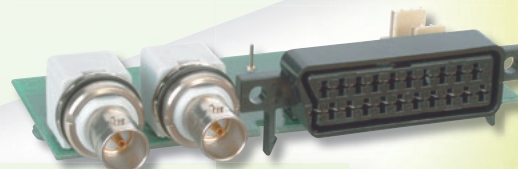
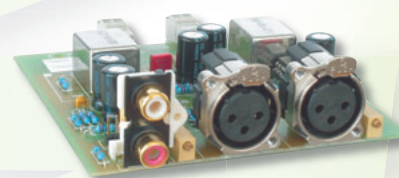
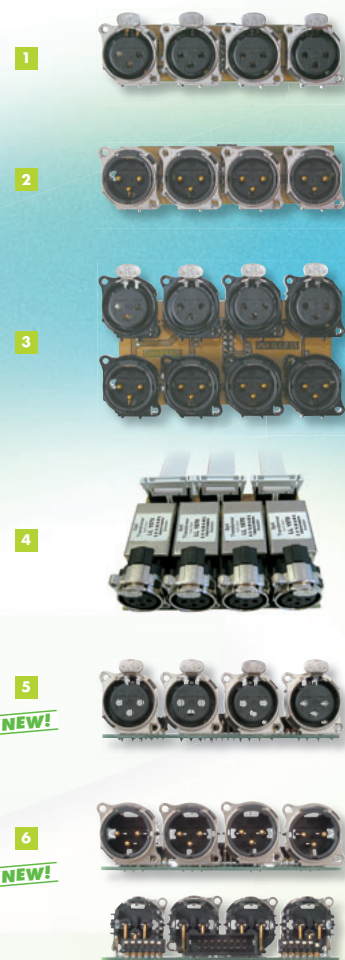
SYSBOXX MKII SYSTEM POWER SUPPLY for IFV57-module

Input voltage 100 – 240 VAC, 50 – 60 Hz

Protection Class II, insulating protection, output voltage 24 VDC/2.5 A

ORDER-NO. DESCRIPTION

IF-PSAC15	Switch. power supply 15 W for operation up to 6 x IFV57
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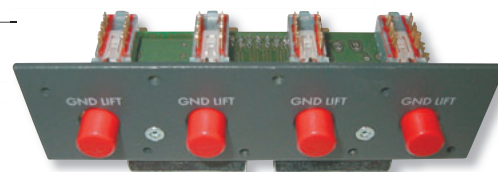


**SYSBOXX MKII GROUNDLIFT MODULE**

Groundlift module with 4 pre-assembled groundlift switches on an imprinted panel to loop in flat cable systems. For installation behind front panel SYFB23-8A or SYFB23-8D.

ORDER-NO. DESCRIPTION

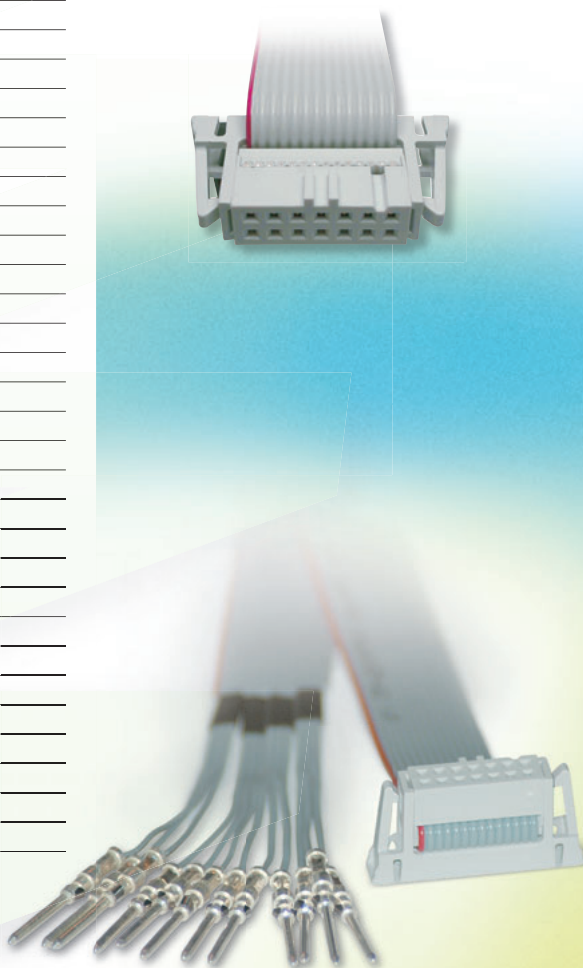
SBC13-4GND-LIFT SYSBOXX module 1 U, 3 WU, 4 x GROUNDLIFT

**SYSBOXX MKII ACCESSORIES**

SYSBOXX flat belt cables for SBC-plug connector module (exception load connections)

ORDER-NO.	FLAT BELT CABLE WITH	LENGTH
SBC-C2-0020	2 x 14-pin flat plug socket with lock	0.20 m
SBC-C2-0040	2 x 14-pin flat plug socket with lock	0.40 m
SBC-C2-0060	2 x 14-pin flat plug socket with lock	0.60 m
SBC-C3-0040	3 x 14-pin flat plug socket with lock	0.40 m
SBC-C3-0080	3 x 14-pin flat plug socket with lock	0.80 m
SBC-C4-0080	4 x 14-pin flat plug socket with lock	0.80 m
SBC-C4-0100	4 x 14-pin flat plug socket with lock	1.00 m
SBC-C5-0120	5 x 14-pin flat plug socket with lock	1.20 m
SBC-F2-0030	1 x 14-pin flat plug socket with lock <=> CDFA	0.30 m
SBC-F2-0040	1 x 14-pin flat plug socket with lock <=> CDFA	0.40 m
SBC-F3-0060	2 x 14-pin flat plug socket with lock <=> CDFA	0.60 m
SBC-F3-0080	2 x 14-pin flat plug socket with lock <=> CDFA	0.80 m
SBC-M2-0030	1 x 14-pin flat plug socket with lock <=> CDMA	0.30 m
SBC-M2-0040	1 x 14-pin flat plug socket with lock <=> CDMA	0.40 m
SBC-M3-0060	2 x 14-pin flat plug socket with lock <=> CDMA	0.60 m
SBC-M3-0080	2 x 14-pin flat plug socket with lock <=> CDMA	0.80 m
SBC-D2-0060	2 x 14-pin flat plug socket with lock <=> SUB-D 25-pin	0.60 m
SYC-C2-0020	2 x 16-pin flat plug socket with lock	0.20 m
SYC-C2-0040	2 x 16-pin flat plug socket with lock	0.40 m
SYC-C2-0060	2 x 16-pin flat plug socket with lock	0.60 m
SYC-C3-0060	3 x 16-pin flat plug socket with lock	0.60 m
SYC-C3-0080	3 x 16-pin flat plug socket with lock	0.80 m
SYC-C3-0120	3 x 16-pin flat plug socket with lock	1.20 m
SYC-C4-0090	4 x 16-pin flat plug socket with lock	0.90 m
SYC-C4-0120	4 x 16-pin flat plug socket with lock	1.20 m
SYC-F2-0030	1 x 16-pin flat plug socket with lock <=> CDFA	0.30 m
SYC-F3-0090	2 x 16-pin flat plug socket with lock <=> CDFA	0.90 m
SYC-M2-0030	1 x 16-pin flat plug socket with lock <=> CDMA	0.30 m
SYC-M3-0090	2 x 16-pin flat plug socket with lock <=> CDMA	0.90 m
SYC-D2-0060	2 x 16-pin flat plug socket with lock <=> SUB-D 25-pin	0.60 m

Other lengths and plug configurations upon request.

**SYSBOXX MKII ground set**

Consisting of: 1 x brass screw M4x16 + 2 x brass nuts M4 + 1 x serrated washer 4.3x8, + 2 x brass washers 4.3x9 + 1 x PE-sticker (installation on side panel SYS)

ORDER-NO. DESCRIPTION

SY-PE-SET SYSBOXX ground set

SYSBOXX SCEW SETS – for plug connector (module) installation on front and side panels

ORDER-NO.	DESCRIPTION	SUITABLE FOR	PACK.
S-M2,5X8SGF-I	M2.5x8 counter-sunk screw, self-threading, Torx 8	B-Series	25 Stk.
S-3X8SPT-I	3x8 PT-screw, Torx 10	Speakon	25 Stk.
S-M3X12S-I	M3x12 counter-sunk screw, Torx 10	D-Series	25 Stk.
S-M3-MSS	Stop nut	D-Series	25 Stk.
S-M4X10-I	M4x16 screw, Torx 20	MP Multipin	25 Stk.
S-M4X16S-I	M4x16 counter-sunk screw, Torx 20	LK Multipin, Schuko	25 Stk.
S-M2,5X10S-I	Counter-sunk screw M2.5x10, Torx 8	Front panel SYFB	50 Stk.
S-M4X10GF-I	Lens head screw, self-threading M4x10, Torx 20	Side panel SYST (4 per panel)	25 Stk.

SYSBOXX TORX SETS – for all SYSBOXX screws

ORDER-NO.	DESCRIPTION
TORX-SET-SBB	Torx set bit: 6, 8, 10, 20
TORX-SET-SBS	Torx set pin wrenches: 6, 8, 10, 20



BROADCAST-SYSTEM MODULINE

For installation in

SYSBOXX MKII
THE MODULAR SYSTEM BY SOMMER CABLE

Patch Panel Module AUDIO 2 U; 21 HP (horizontal pitch), 3-pin for Installation in Assembly Carriers

SYSBOXX MKII and GHIEMMETTI, for installation of additional routing levels for live and studio operations. Safe operation and compact design!

ORDER-NO.	DESCRIPTION
GM-ASF208A	Switching patch panel [A], 2 x 8-channel; 2 U; 21 HP with 16 soldered connection plugs GAS323LAC Front panel charcoal; imprint white
GM-ASF108AP	Switching patch panel [AP], 8-channel; 2 U; 21 HP; with parallel tap with 8 soldered connection plugs GAS323LAC Front panel charcoal; imprint white
GM-ASF108AV	Connection patch panel [AV], 8-channel; 2 U; 21 HP with 16 soldered connection plugs GAS323LAC incl. 8 connection plugs 3-pin; white Front panel charcoal; imprint white
GM-ASF108APV	Connection patch panel [APV], 8-channel; 2 U; 21 HP; with parallel tap with 8 soldered connection plugs GAS323LAC incl. 8 connection plug 3-pin; white Front panel charcoal; imprint white
SYG12-01-02	SYSBOXX casing 19", 2 U, 80 mm depth, Front and rear insertion
SYG12-02-02	SYSBOXX casing 19", 2 U, 140 mm depth, Front and rear insertion

A mental exercise:

Our mixing board has 4 auxiliary send-outputs, but we have 6 effect units and also need 2 additional monitor connections. What is the easiest way to accomplish this?

Solution:

We use a GHIEMMETTI – Matrix!

The input level is simply rotated by 90° in reference to the output level, i.e. the inputs are horizontal, the outputs vertical. And only the interface that is plugged is activated. So the effects can be reconfigured in no time! As long as we only activate one input per output. More will not be possible, because a patch field is not a mixing board!

(All 4 inputs can be connected to one output – with a connection plug.)

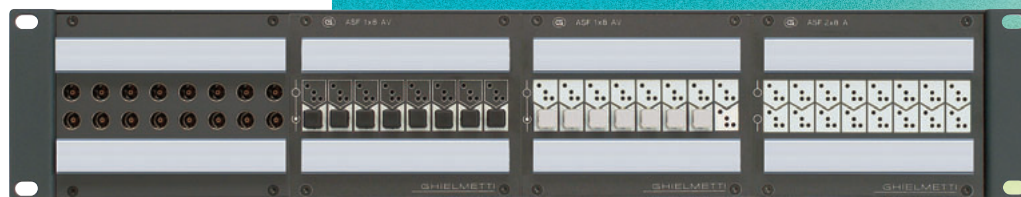
Accessories AUDIO

Patch cable for GHIEMMETTI audio plug fields analog/digital

Available in the colors stated below. If not stated otherwise, we deliver the cable in black. Please state the color behind the ORDER-NO. as an order code:

■ black: SW ■ blue: BL ■ red: RT ■ green: GN ■ yellow: GE

ORDER-NO.	LENGTH
GM-K3-0030-..	0.30 m
GM-K3-0060-..	0.60 m
GM-K3-0090-..	0.90 m
GM-K3-0120-..	1.20 m
GM-K3-0180-..	1.80 m
GM-K3-0250-..	2.50 m



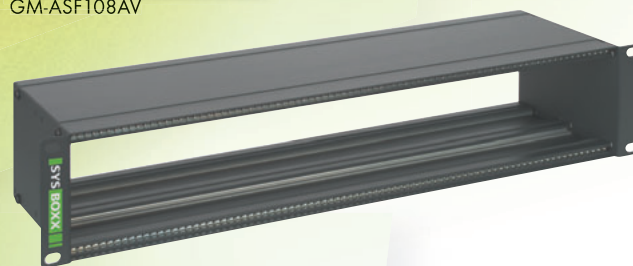
GM-ASF208A



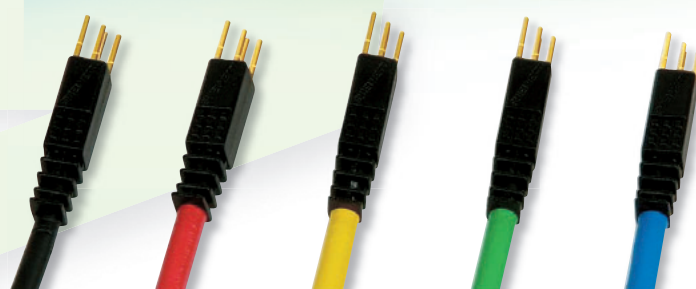
GM-ASF108APV



GM-ASF108AV



ORDER-NO.	DESCRIPTION
GM-AKS408	Audio Matrix 4 x 8 I; 2 U; 21 HP with 12 soldered connection plugs GAS323LAC incl. 4 connection plugs 2-pin; white Front panel charcoal; imprint white



Connection plugs 3-pin**for GHIELMETTI audio patch panels analog/digital**

Standard: 3-pin, square, white (incl. with connection patch panel)

Please add color code behind the ORDER-NO.:

■ black: **SW** □ white: **WS** ■ blue: **BL** ■ red: **RT** ■ green: **GN** ■ yellow: **GE**

If not stated otherwise, we deliver the plug in black.

ORDER-NO.**GM-GVS323-..****Connection plugs 2-pin for GHIELMETTI audio patch panels analog/digital**

Shielding not activated to prevent humming loops. Coding pins protect against polarity reversal.

ORDER-NO.**COLOR****GM-GVS322-WS**

white

GM-GVS322-SW

black

**Plug connectors for the soldered connections on patch panels
ECONOM; CSF; MODULINE**

Flexible wiring for the connection level; included in the delivery, suitable cable: Semicolon

ORDER-NO.**GM-GAS323LAC****Premade connection cables**

Problem free studio cables for GHIELMETTI patch fields

ORDER-NO.	DESCRIPTION	LENGTH
Connection cables for D-SUB 25-pin (Tascam standard), splice length 0.3 m		
QMG1-M08/00-0300	8 x GAS323LAC => 25-pin SubD male	3 m
QMG1-M08/00-0500	8 x GAS323LAC => 25-pin SubD male	5 m
QMG1-M08/00-1000	8 x GAS323LAC => 25-pin SubD male	10 m
Connection cables for XLR plug connectors		
QMG3-M08/00-0300	8 x GAS323LAC => 8 x NC3FXX	3 m
QMG3-M08/00-0500	8 x GAS323LAC => 8 x NC3FXX	5 m
QMG3-M08/00-1000	8 x GAS323LAC => 8 x NC3FXX	10 m
QMG4-M08/00-0300	8 x GAS323LAC => 8 x NC3MXX	3 m
QMG4-M08/00-0500	8 x GAS323LAC => 8 x NC3MXX	5 m
QMG4-M08/00-1000	8 x GAS323LAC => 8 x NC3MXX	10 m
Connection cables for 6.3 mm jack plugs (balanced)		
QMG5-M08/00-0300	8 x GAS323LAC => 8 x NP3X-C	3 m
QMG5-M08/00-0500	8 x GAS323LAC => 8 x NP3X-C	5 m
QMG5-M08/00-1000	8 x GAS323LAC => 8 x NP3X-C	10 m
Connection cables for VTR-machines (4 IN/ 4 Out)		
QMG6-M08/00-0300	8 x GAS323LAC => 4 x NC3FXX + 4 x NC3MXX	3 m
QMG6-M08/00-0500	8 x GAS323LAC => 4 x NC3FXX + 4 x NC3MXX	5 m
QMG6-M08/00-1000	8 x GAS323LAC => 4 x NC3FXX + 4 x NC3MXX	10 m
Connection cables with open end for individual wiring		
QMG7-M08/00-0300	8 x GAS323LAC => open	3 m
QMG7-M08/00-0500	8 x GAS323LAC => open	5 m
QMG7-M08/00-1000	8 x GAS323LAC => open	10 m
Connection cables for ILME-multipin 108-pin		
MSYR-M32/00-0200	32 x GAS323LAC => Multipin 108-pin fem. Installed on SYSBOXX front panel SYFB25-MP16/24	2 m
MSYS-M32/00-0200	32 x GAS323LAC => Multipin 108-pin male Installed on SYSBOXX front panel SYFB25-MP16/24	2 m



Modular systems ▶ **MODULAR TABLE, WALL, AND CEILING MODULES***Hide the cable...*

- an ideal game for our recessible table module made of powder-coated aluminum.

The problem is well known: You have just bought a high quality, expensive conference table and now you are supposed to hide the cables as unobtrusively as possible.

The **SOMMER CABLE** module does not only look good, it also is very functional: It is suitable for wall and ceiling installation and can be equipped with all kinds of plug connectors, such as power (accord. to VDE), computer, video, audio, and network plug connector.

A mini-XLR socket for video conferencing is also available!

The modular connections are recessed inside the module and shaped like a plug rail. This rail can be easily equipped with the elements listed below.

The robust, scratch- and beat-resistant casing is made of up to 2.5 mm thick aluminum profiles, equipped with 4 assembly and mounting claws. It can simply be recessed into a table or the wall, then the claws can be bent out and screwed down. A standard IEC-plug power socket, commonly used in desk construction, is installed on the outside of the casing.

The front plate can be opened up by pressing on the top, and a powerful magnet ensures that the casing stays closed – even if the stressed manager should pound on the table. The cable is always guided along the unit opening to ensure an ergonomic design.

Modular panels for TW-TCS and TW-TCB**ORDER-NO. VERSION**

TW-TCB	Table assembly module conference, large TW-EP4 is needed for module installation
TW-TCS	Table assembly module conference, small TW-EP2 is needed for module installation
TW-EP2	TW-insert profile for TW-TCS incl. 2 Schuko plug sockets only fit in TW-TCB, TW-NZxxxx is needed for power supply
TW-EP4	TW-insert profile for TW-TCB incl. 4 Schuko plug sockets only fit in TW-TCB, TW-NZxxxx is needed for power supply

In exceptional cases this design can also be used as a wall or floor module, but it should be considered that the module automatically opens up under strong pressure, and that it should be secured or covered accordingly.

Two sizes are available: **Table module "small" (TW-TCS)** and **table module "large" (TW-TCB)**.

We offer the **SOMMER CABLE** table module in two different finishes (mat silver or charcoal grey), but special orders are available.

Please mail your request to technik@sommercable.com.

Dimensions table modules:**Table module small:**

Assembly dimensions (L x W): 273 x 170 mm

Outside dimensions (L x W x H): 285 x 183 x 110 mm

**Table module large:**

Assembly dimensions (L x W): 455 x 170 mm

Outside dimensions (L x W x H): 467 x 183 x 110 mm

Order example No. 1:

1 x TW-TCB

1 x TW-EP4

max. of 4 modules TW-**xM-x**

1 x TW-NZ0150

Order example No. 2:

1 x TW-TCS

1 x TW-EP2

max. of 2 modules TW-**xM-x**

1 x TW-NZ0150

**Examples for application:**

AUDIO MODULES

ORDER-NO.	VERSION
TW-AM1	2 cinch stereo with color coding red/white
TW-AM2	XLR-plug
TW-AM3	XLR-socket
TW-AM4	Adapter mini XLR-plug/XLR-socket
TW-AM5	Adapter mini XLR-socket/XLR-plug
TW-AM6	Audio 3.5 mm jack
TW-BM	TW blank module

COMPUTER MODULES

ORDER-NO.	VERSION
TW-CM1	VGA-plug
TW-CM2	VGA-socket
TW-CM3	VGA-plug + audio 3.5 mm jack
TW-CM4	VGA-socket + audio 3.5 mm jack
TW-CM5	Mouse + keyboard (6-pin mini-DIN)
TW-CM6	RS232-plug
TW-CM7	RS232-socket
TW-CM8	USB-A
TW-CM9	USB-B
TW-UM	TW-universal module
TW-CM13	RJ45-input (2 sockets)
TW-TM1	RJ11-phone input (2 sockets)



TW-AM1



TW-AM2



TW-AM3



TW-AM4



TW-AM5



TW-AM6



TW-CM1



TW-CM2



TW-CM3



TW-CM4



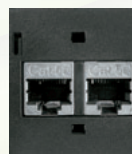
TW-CM5



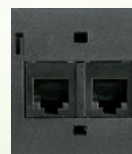
TW-CM6



TW-UM



TW-CM13



TW-TM1

VIDEO MODULES

ORDER-NO.	VERSION
TW-VM1	Cinch + 2 x cinch (yellow/red/white)
TW-VM2	BNC + 2 x cinch (yellow/red/white)
TW-VM3	S-VHS + 2 x cinch (yellow/red/white)
TW-VM4	Component cinch (red/green/blue)
TW-VM5	Component BNC (red/green/blue)
TW-VM6	Cinch + S-video (yellow)



TW-VM1



TW-VM2



TW-VM3



TW-VM4



TW-VM5



TW-VM6

POWER CONNECTIONS (not shown)

ORDER-NO.	VERSION
TW-NZ0150	TW-power connection black 1.5 m
TW-NZ0300	TW-power connection black 3.0 m
TW-NZ0500	TW-power connection black 5.0 m