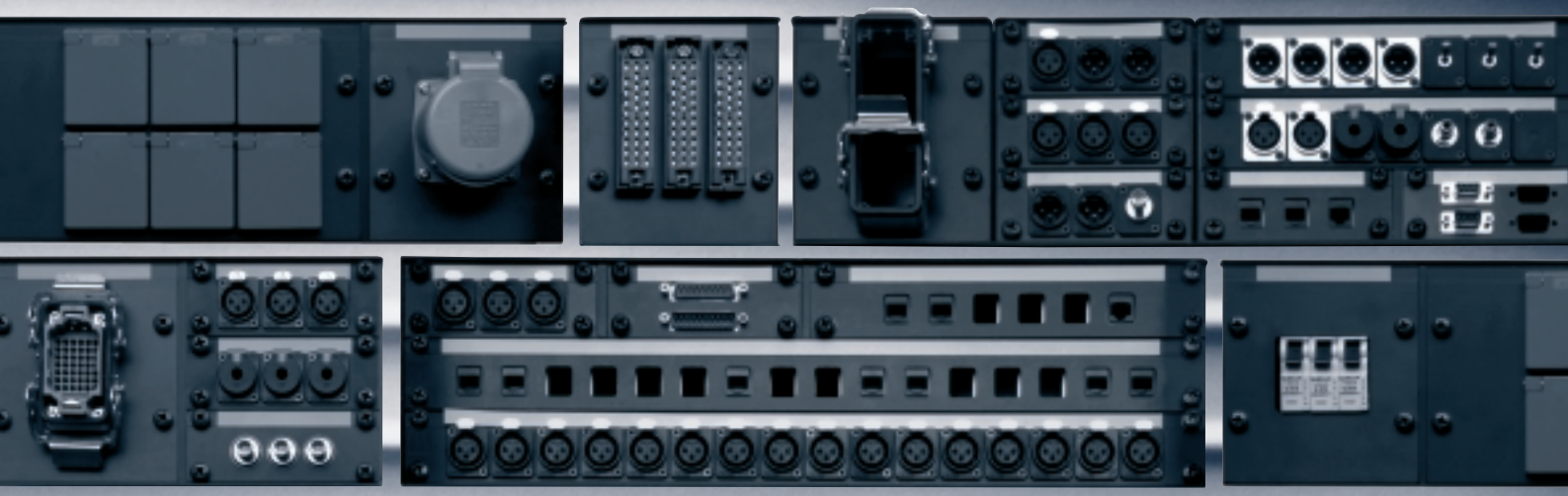
PANELS & BOXES

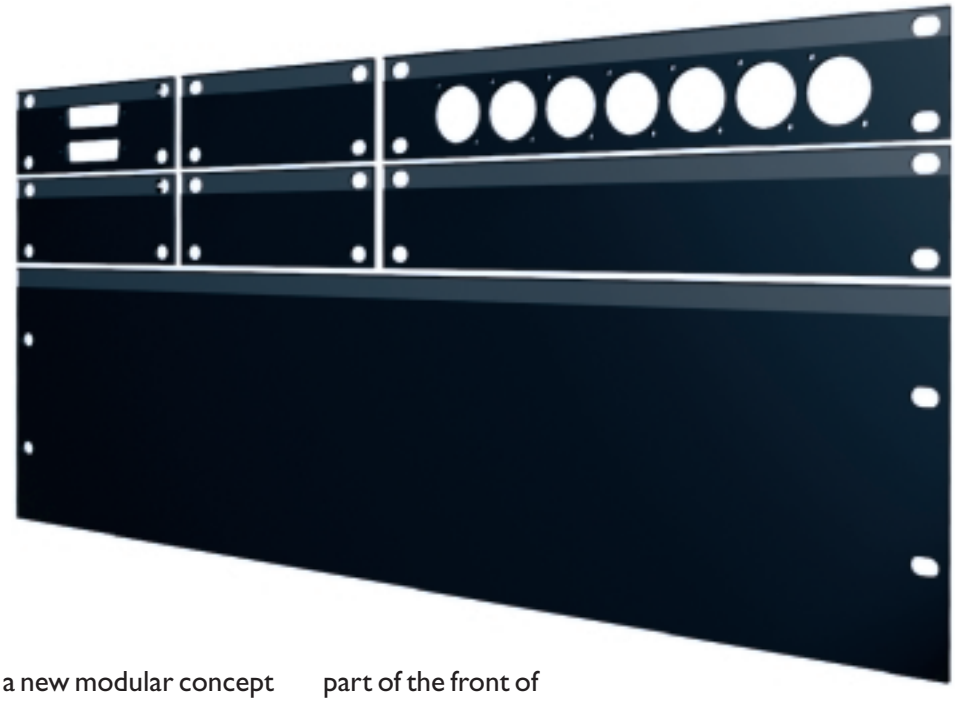


SMRT

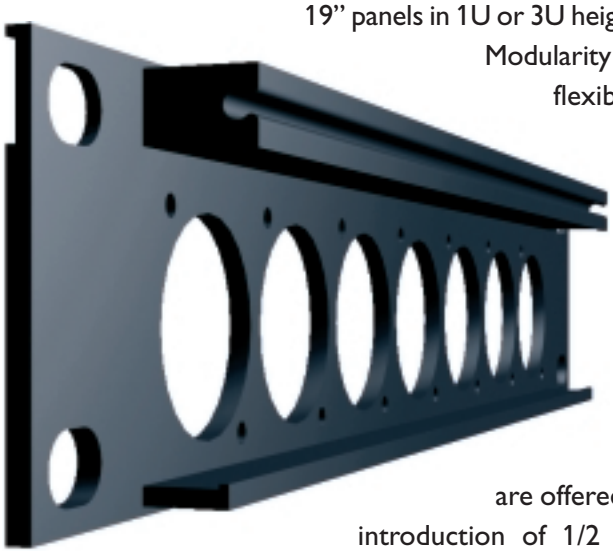
SMRT

Panels

Increase your productivity – convert to SMRT PAN



SMRT PAN panels represent a new modular concept for high quality terminating of all major signals within the audio, video, computer and telecommunication fields. Cost effective "off the shelf" solutions for 19" panels in 1U or 3U heights. Modularity and flexibility are offered by introduction of 1/2 19" and 1/4 19" panels. The panels may be combined both horizontally and vertically by "splicing units"; respectively SPEX1 (1U); and SPEX3 (3U). Or the 1/2 and 1/4- and the full 19" – wide panels may be used directly with the appropriately sized SMRT BOX.

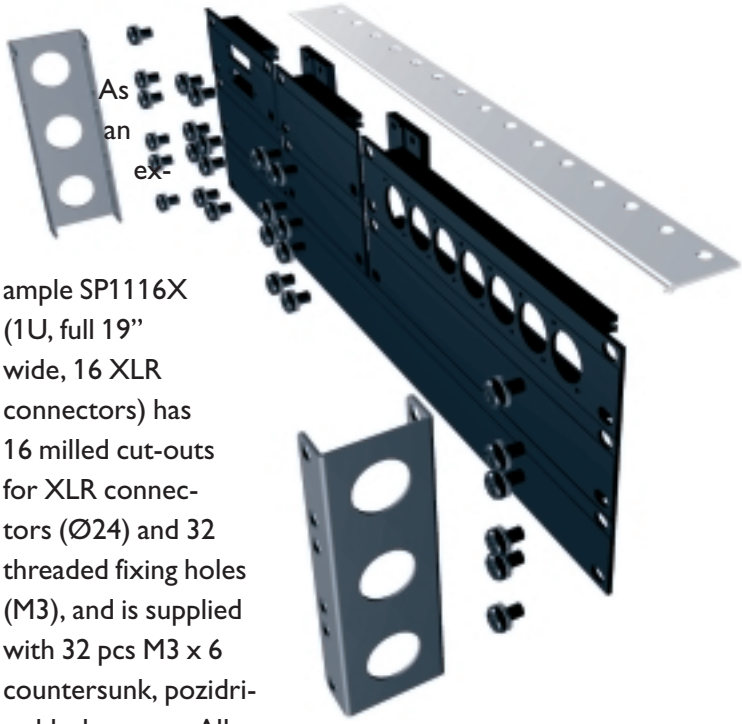


SMRT PAN is available in a combination of cut-outs for all industry standard connectors.

The panels are CNC milled to a high specification from SMRT PAN aluminium extrusions. The panels do have a unique cross section which gives rigidity and allows for a "slide in" attachment. A cable support "slide in" is included with pre-milled panels.
A dedicated groove – 9 mm height – at the upper part of the front of the panel allows for easy positioning of the supplied 9 mm waterproof legend strip. You will also be able to use the Brother P-TOUCH printer with Windows software to make high quality printed image 9 mm laminated legend strips.

The panels are finished in black anodized aluminium.

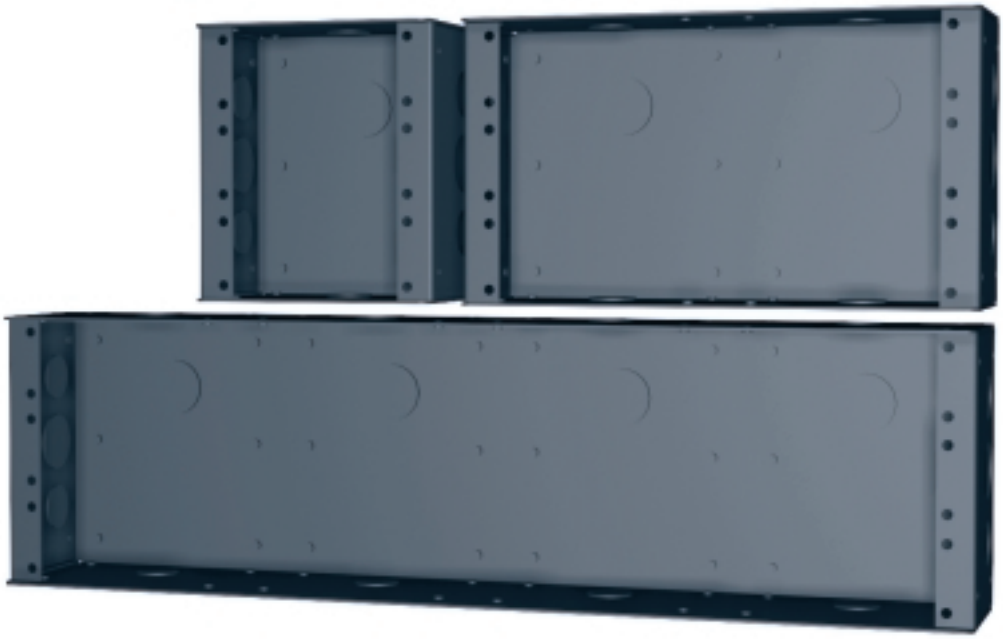
For your convenience, all holes for the fixing of connectors which have a specified dimension, are threaded and the required screws are supplied.



As an example SP1116X (1U, full 19" wide, 16 XLR connectors) has 16 milled cut-outs for XLR connectors (Ø24) and 32 threaded fixing holes (M3), and is supplied with 32 pcs M3 x 6 countersunk, pozidrive black screws. All precision positioned!
Engineered specially for the busy user's convenience.

Boxes

SMRT BOX – the non-plastic, solid steel pre-punched single or cluster box solution



The complete and modular box system to complement your SMRT panels for wall installations, stage boxes etc.

The SMRT BOX system has 3 basic building blocks. They may be used as individual boxes or assembled as multiple-chamber boxes with good screening between chambers for separate applications such as audio, video, digital, RF and 240 V outlets. All boxes have 3U height. The width is either a full 19", a 1/2 19" or a 1/4 19". The depth is 80 mm.

Each box is constructed of 1.5 mm steel, manufactured by CNC punching to tightly controlled specifications and has a high scratch resistant finish with a powder coating in semi gloss anthracite grey (RAL 7016).

Each box has front flanges with 2 x 6 M6 threaded holes, to the 19" EIA standard spacing. In addition each box has the following numbers of pre-punched holes, for easy snap-out with a screwdriver.

	Ø 5	PG16	PG21
SB34	22	6	3
SB32	34	8	4
SB31	72	12	6

PG16 pre-punch equals Ø22 mm; PG21 equals Ø28 mm.

Each box is supplied with 4 x M4 hex screws and an Allan key for multichamber assembly.

Ø5 mm pre-punches are intended for fixing the boxes to a wall, etc – or combining and fixing the boxes together for multiple-chamber/cluster combinations.

Technical

SMRT PAN product identification conforms to the following key:

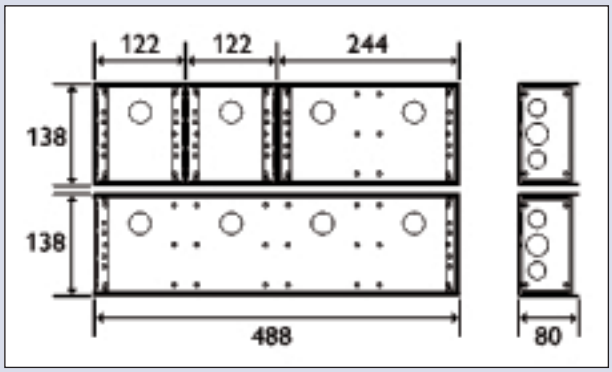
A	N chassis
B	BNC chassis Ø17,2 x 16,2
BS	BNC chassis Ø12,7 x 12,0
C	DIN rail components (TS 35)
D	D-Sub 9 pin
E	D-Sub 15 pin
F	D-Sub 25 pin
G	D-Sub 37 pin
H	Harting HAN DD 42 pin
I	Harting HAN DD 72 pin
J	ISDN (RJ45)
K	Harting HAN DD 108 pin
L	400V/16A chassis 5 pin, Ø60,0 ; 52,0 x 52,0
M	UJP 230V/16A 3 pin, Ø44,0 ; 38,0 x 38,0
N	Neutricon
P	Phono/RCA/Cinch
T	Tuchel DIN 30 pin
V	Elco/Varelco 56 pin
W	Elco/Varelco 96 pin
X	Neutrik XLR (type D), Ø24

Example:

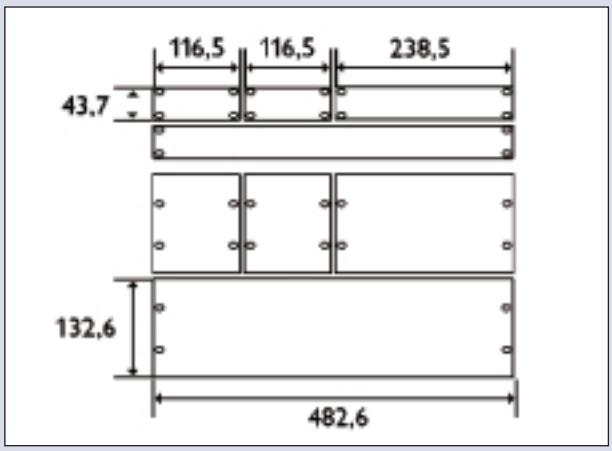
SP 3 1 01K 36X

36 X	36 cutouts for XLR D type connector
01K	1 cutout for Harting 108 pin conn.
1	full 19" panel width (2 = 1/2, 4 = 1/4)
3	3U panel height (1 = 1U)
SP	SMRT Panel

Boxes:



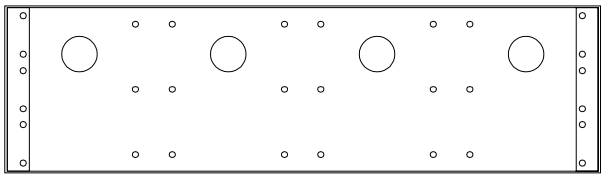
Panels:



Our Range

SMRT BOX

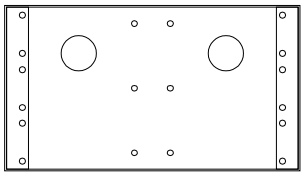
SB31



SMRT BOX 1/1 19", 488 x 138 x 80 mm, supplied with 4 x M4 x 8 screws and Allen key.

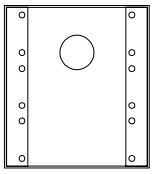
SB32

SMRT BOX 1/2 19"
244 x 138 x 80 mm
supplied with
4 x M4 x 8 screws
and Allen key.



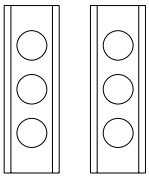
SB34

SMRT BOX 1/4 19"
122 x 138 x 80 mm,
supplied with
4 x M4 x 8 screws
and Allen key.



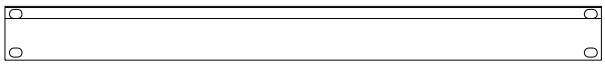
SBH

SMRT BOX handle 1 pair.



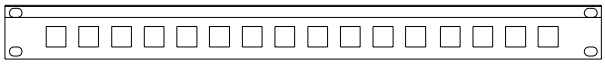
SMRT PANELS 1U

SP11



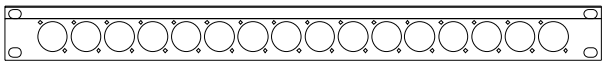
SMRT PAN 19" 1U blank panel

SP1116I



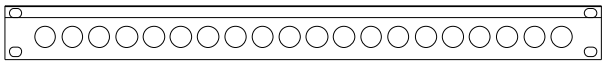
SMRT PAN 19" 1U 16 pcs ISDN (RJ45). (AMP 557818-1, 55789-1, 557901-1,557902-1; Axess UMJV8A-01, UMJV8B-01

SP1116X



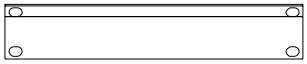
SMRT PAN 19" 1U 16 pcs Neutrik XLR D connectors. Supplied with 32 M3 x 6 screws.

SP1120B / SP1120BS

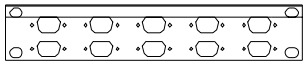


SMRT PAN 19" 1U 20 pcs BNC.
SP1120B: Ø 17,2 x 16,2. Suhner 75-0-1/133 with spacer 77 Z-0-0-12.
SP1120BS: Ø 12,7 x 12,0. Most common BNC bulkhead/panel connectors.

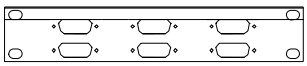
SP12
SMRT PAN 1/2 19" 1U
blank panel



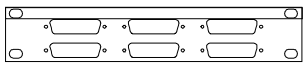
SP1210D
SMRT PAN 1/2 19" 1U
10 pcs D sub, 9pins.



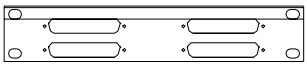
SP1206E
SMRT PAN 1/2 19" 1U
6 pcs D sub, 15 pins



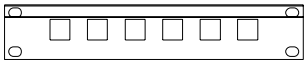
SP1206F
SMRT PAN 1/2 19" 1U
6 pcs D sub, 25 pins



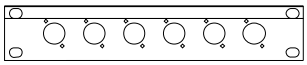
SP1204G
SMRT PAN 1/2 19" 1U
4 pcs D sub, 37 pins



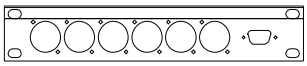
SP1206J
SMRT PAN 1/2 19" 1U
6 pcs ISDN (RJ45).
(AMP 557818-1, 55789-1,
557901-1,557902-1; Axess UMJV8A-01, UMJV8B-01)



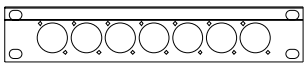
SP1206N
SMRT PAN 1/2 19" 1U
6 pcs Neutricon. Supplied
with 12 x M3 x 6 screws.



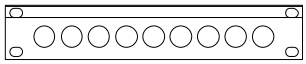
SP1206X01D
SMRT PAN 1/2 19" 1U
6 pcs Neutrik XLR D
connectors, 1 pcs D sub, 9 pins. Supplied with 12 x M3 x 6 screws.



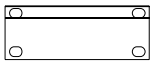
SP1207X
SMRT PAN 1/2 19" 1U
7 pcs Neutrik XLR D
connectors. Supplied with 12 x M3 x 6 screws.



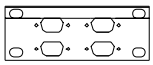
SP1209B / SP1209BS
SMRT PAN 1/2 19" 1U
9 pcs BNC.
SP1209B: Ø 17,2 x 16,2. Suhner 75-0-1/133 with spacer 77 Z-0-0-12. **SP1209BS:** Ø 12,7 x 12,0. Most common BNC bulkhead/panel connectors.



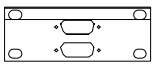
SP14
SMRT PAN 1/4 19" 1U blank panel.



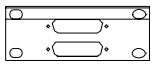
SP1404D
SMRT PAN 1/4 19" 1U 4 pcs D sub, 9 pins.



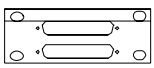
SP1402E
SMRT PAN 1/4 19" 1U 2 pcs D sub, 15 pins.



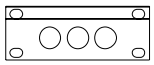
SP1402F
SMRT PAN 1/4 19" 1U 2 pcs D sub, 25 pins.



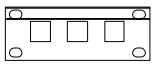
SP1402G
SMRT PAN 1/4 19" 1U 2 pcs D sub, 37 pins.



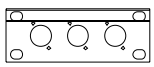
SP1403B / SP1403BS
SMRT PAN 1/4 19" 1U 3 pcs BNC.
SP1403B: Ø 17,2 x 16,2. Suhner 75-0-1/133 with spacer 77 Z-0-0-12. **SP1403BS:** Ø 12,7 x 12,0. Most common BNC bulkhead/panel connectors.



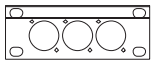
SP1403J
SMRT PAN 1/4 19" 1U 3 pcs RJ45 (ISDN).
(AMP 557818-1, 55789-1, 557901-1,557902-1;
Axess UMJV8A-01, UMJV8B-01.)



SP1403N
SMRT PAN 1/4 19" 1U 3 pcs Neutricon.
Supplied with 12 x M3 x 6 screws.

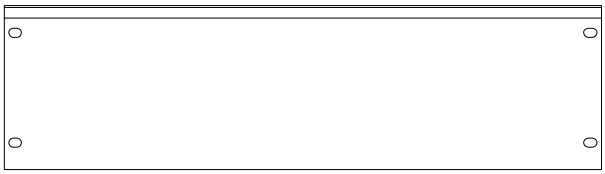


SP1403X
SMRT PAN 1/4 19" 1U 3 pcs Neutrik XLR D
connectors. Supplied with 12 x M3 x 6 screws.



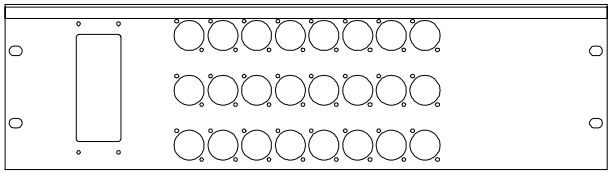
SMRT PANELS 3U

SP31



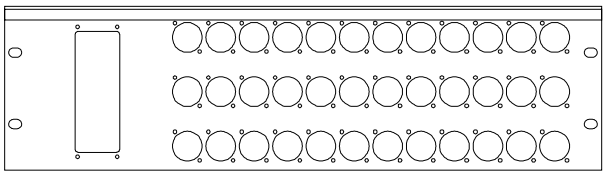
SMRT PAN 19" 3U blank panel.

SP3101I24X



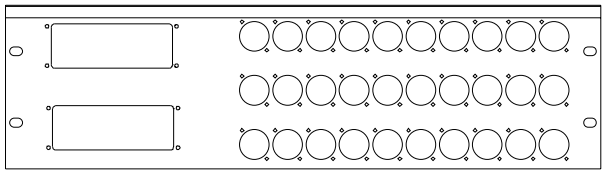
SMRT PAN 19" 3U Harting HAN 72 pins + 24 pcs Neutrik XLR D connectors. Supplied with 48 x M3 x 6 screws.

SP3101K36X



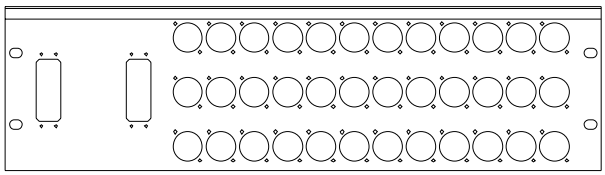
SMRT PAN 19" 3U Harting HAN 108 pins + 36 pcs Neutrik XLR D connectors. Supplied with 72 x M3 x 6 screws. Requires modified HAN 108 shell, available as SPHAN108.

SP3102K30X



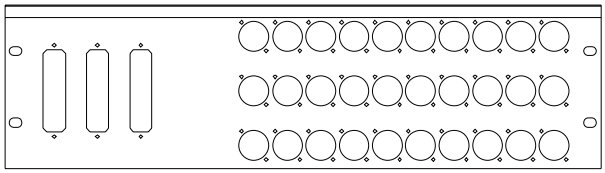
SMRT PAN 19" 3U 2 pcs Harting HAN 108 pins + 30 pcs Neutrik XLR D connectors. Horizontal position of Harting. Takes normal Harting housings. Supplied with 60 x M3 x 6 screws.

SP3102V36X



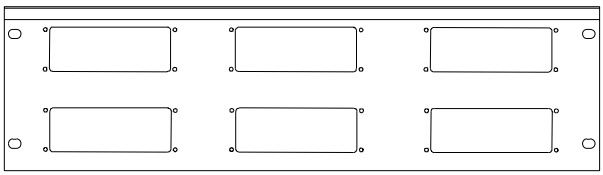
SMRT PAN 19" 3U 2 stk Elco 56 pins + 36 stk Neutrik XLR D connectors. Supplied with 72 x M3 x 6 screws.

SP3103T30X



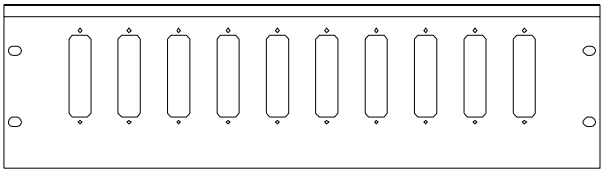
SMRT PAN 19" 3U 3 stk 30 pins DIN Tuchel + 30 pcs Neutrik XLR D connectors. Supplied with 60 x M3 x 6 screws.

SP3106K



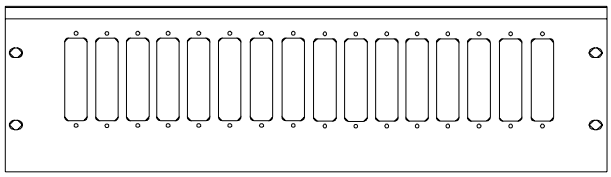
SMRT PAN 19" 3U 6 pcs Harting HAN 108 pins. Horizontal position of Harting. Takes normal Harting housings.

SP3110T



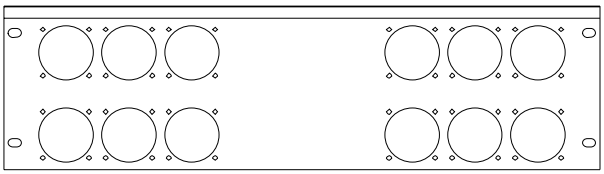
SMRT PAN 19" 3U 10 pcs 30 pins DIN Tuchel.

SP3116T



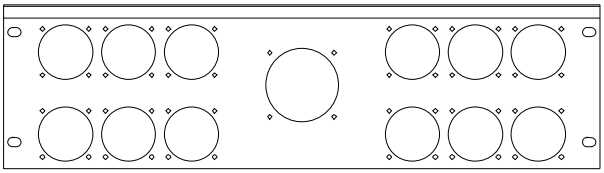
SMRT PAN 19" 3U 16 pcs 30 pins DIN Tuchel.

SP3112M



SMRT PAN 19" 3U 12 pcs UJP 230V 16A, female chassis. Supplied with 48 x 3,5 x 9,5 Parker screws.

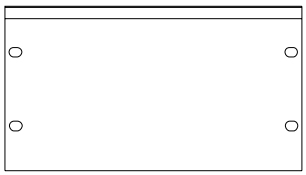
SP3101L12M



SMRT PAN 19" 3U 12 pcs UJP 230V 16A, female chassis + 1 pcs 400V 16A 3 phase (4 or 5 pins). Supplied with 52 x 3,5 x 9,5 Parker screws.

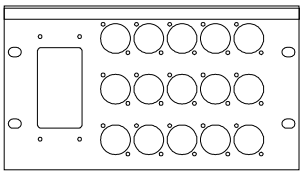
SP32

SMRT PAN 1/2 19" 3U
blank panel



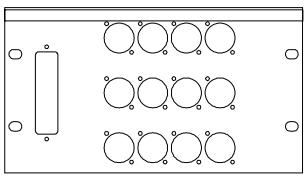
SP3201H15X

SMRT PAN 1/2 19" 3U
1 pcs Harting HAN 42 pins + 15 pcs Neutrik XLR D connectors. Supplied with 30 x M3 x 6 screws.



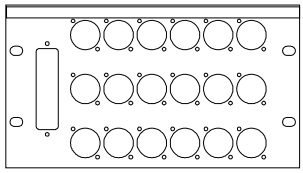
SP3201T12X

SMRT PAN 1/2 19" 3U
1 pcs 30 pins DIN Tuchel + 12 pcs Neutrik XLR D connectors.Supplied with 24 x M3 x 6 screws.



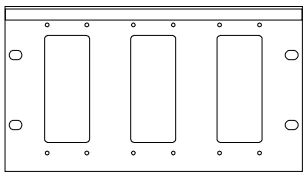
SP3201T18X

SMRT PAN 1/2 19" 3U
1 pcs 30 pins DIN Tuchel + 18 pcs Neutrik XLR D connectors. Supplied with 36 x M3 x 6 screws.



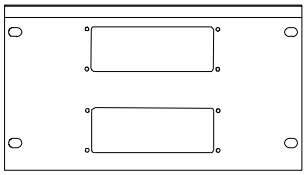
SP3203I

SMRT PAN 1/2 19" 3U
3 pcs Harting HAN 72 pins.



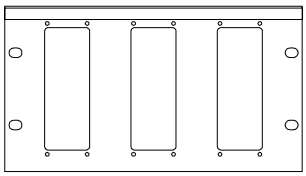
SP3202K

SMRT PAN 1/2 19" 3U
2 pcs Harting HAN 108 pins. Horizontal position of Harting. Takes normal Harting housings.



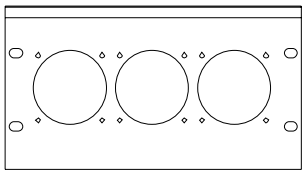
SP3203K

SMRT PAN 1/2 19" 3U 3 pcs Harting HAN 108 pins. Requires modified HAN 108 shell, available as SPHAN108.



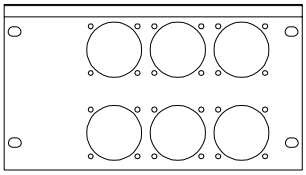
SP3203L

SMRT PAN 1/2 19" 3U
3 pcs 400V 16A 3 phase (4 or 5 pins).
Supplied with 12 x 3,5 x 9,5 Parker screws.



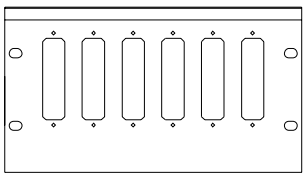
SP3206M

SMRT PAN 1/2 19" 3U
6 pcs UJP 230V 16A, chassis female. Supplied with 24 x 3,5 x 9,5 Parker screws.



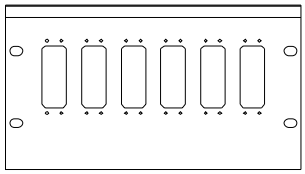
SP3206T

SMRT PAN 1/2 19" 3U
6 pcs 30 pins DIN Tuchel.



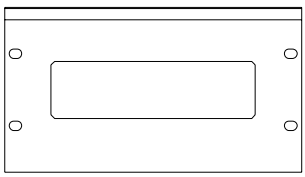
SP3206V

SMRT PAN 1/2 19" 3U
6 pcs 56 pins Elco.

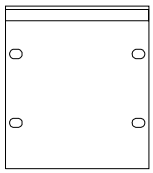


SP3209C

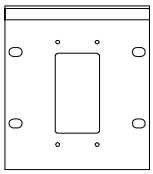
SMRT PAN 1/2 19" 3U
9 pcs DIN rail components (TS35).



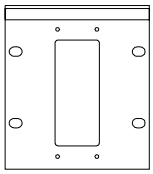
SP34
SMRT PAN 1/4 19" 3U
blank panel.



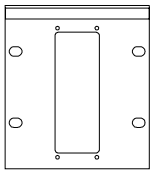
SP3401H
SMRT PAN 1/4 19" 3U
1 pcs Harting HAN 42 pins.
Supplied with 4 x 3,5 x 9,5 Parker screws.



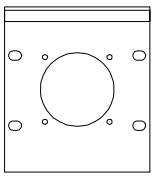
SP3401I
SMRT PAN 1/4 19" 3U
1 pcs Harting HAN 72 pins.
Supplied with 4 x 3,5 x 9,5 Parker screws.



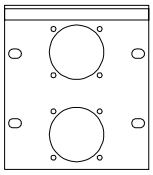
SP3401K
SMRT PAN 1/4 19" 3U
1 pcs Harting HAN 108 pins.
Requires modified HAN 108 shell,
available as SPHAN108.



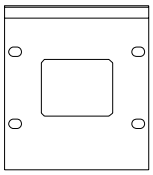
SP3401L
SMRT PAN 1/4 19" 3U
1 400V 16A 3 phase (4 or 5 pins).
Supplied with 4 x 3,5 x 9,5 Parker screws.



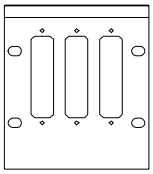
SP3402M
SMRT PAN 1/4 19" 3U
2 pcs UJP 230V 16A, female chassis
Supplied with 4 x 3,5 x 9,5 Parker screws.



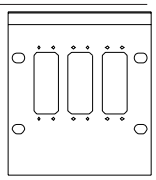
SP3403C
SMRT PAN 1/4 19" 3U
3 pcs DIN rail components (TS35).



SP3403T
SMRT PAN 1/4 19" 3U
3 pcs 30 pins DIN Tuchel.



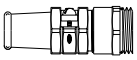
SP3403V
SMRT PAN 1/4 19" 3U
3 pcs 56 pins Elco.



SMRT BOXES AND PANELS ACCESSORIES

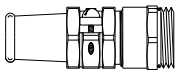
SBS
M6 screw w/washer 12 pcs.

SB16M
SMRT BOX strain relief PG16 heavy duty
metal nickel plate.

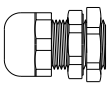


SB16P
SMRT BOX strain relief PG16 grey plastic.

SB21M
SMRT BOX strain relief PG21
heavy duty metal nickel plate.



SB21P
SMRT BOX strain relief PG21 grey plastic.



SPDBA
SMRT PAN blind panel for XLR D module.

SPDBA10
SMRT PAN blind panel Ø10, phono, RCA, chinch
connector.

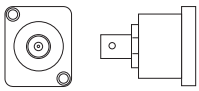
SPDBA10F
SMRT PAN blind panel Ø9,7 x 8,8 BNC simple solder.

SPDBA13F
SMRT PAN blind panel Ø12,7 x 12 BNC.

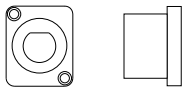
SPDBA16
SMRT PAN blind panel Ø16, push button DIN, etc.

SPDBA16F
SMRT PAN blind panel Ø16 x 14 N-connector.

SPBNC2
SMRT PAN recessed plastic module with
BNC bulkhead connector (BNC/BNC)
for XLR style panels.

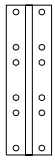


SPBNC0
SMRT PAN recessed plastic module as
above supplied without BNC connector
(cut-out 12,8 x 12).

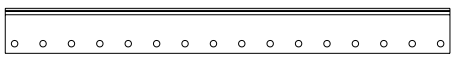


SPEX1
SMRT PAN splicing unit for 1U panel.

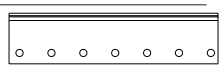
SPEX3
SMRT PAN splicing unit for for 3U panel.



SPSP1
SMRT PAN
support panel
for 19" panel (supplied with all panels except blanks).

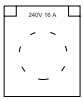


SPSP2
SMRT PAN support panel for 1/2 19"
panel (supplied with all panels except blanks).



SPSP4
SMRT PAN support panel for 1/4 19" panel
(supplied with all panels except blanks).

SPUJP
SMRT PAN connector 230V, 16A, female.



SPHAN 108
Harting chassis unit for K connector (108 pins) special.
Necessary to fit K connector on 3U panels vertically.

SMRT

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NORWAY

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Fax (47) 2214 8259

Enterprise number
NO969007029