

## KM6-II Subracks: Accessories

**A wide range of accessories is available – from a simple tapped strip for fixing front panels, through DIN connector mounting systems and divider kits to fixings for mounting backplanes – enabling you to tailor the KM6-II subrack system to the exact**

**requirements of your project.**



Many products listed in this

accessories section are compatible with all APW KM6 variant subrack systems. Where the accessory is compatible with the KM6-EC lightweight economy subrack – also included in this publication – this is highlighted by means of the logo shown above.

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# KM6-II Subracks: Accessories

## TAPPED STRIPS

Tapped M2,5 holes on a pitch of 1HP, these strips are used for fixing front panels, backplanes, or as an option for chassis plates. As an alternative to tapped strips, a slide nut suitable for use in front tie bars only can be used where a small number of locations are required.

### Contents of kit

Description	Qty	Material/Finish
Tapped strip	1	Mild steel zinc and colour passivate

### Ordering information

Description	Qty.	Order code
24HP Tapped strip	1	950-202799L
42HP Tapped strip	1	950-202739G
60HP Tapped strip	1	950-202740L
84HP Tapped strip	1	950-202001E
Slide nut	10	124-30499B

## DIN 41612 CONNECTOR MOUNTING FRAME

- Converts backplane extrusions to DIN 41612 mounting
- Separate assembly and wiring possible
- 3U height
- Various widths
- Conductive finish

This frame is supplied as a kit comprising 2 aluminium extrusions with M2,5 holes on a 1HP pitch, two steel end plates and fixings.

### Ordering information

Description	Qty.	Order code
24HP DIN 41612 connector mounting frame	1	950-34247E
42HP DIN 41612 connector mounting frame	1	950-34246H
84HP DIN 41612 connector mounting frame	1	950-34244C

## DIN 41612 CONNECTOR MOUNTING EXTRUSIONS

As an alternative to the mounting frame the horizontal extrusions are available in separate kits. A 6HP version is of particular use for mounting one connector to mate with a power supply plug-in units. There is also a version at 84HP width. In both cases, the kit comprises two extrusions and fixings.

### Ordering information

Description	Qty.	Order code
6HP horizontal extrusions separate kits	2	950-249491B
84HP horizontal extrusions separate kits	2	950-249489L

## BACKPLANE SPACER STRIPS

Two types of spacer strips are available, insulating and conductive. The insulating type is available in one and two level versions, each having half shears to aid assembly. The two-level version is used on centre rear tie bars. The 84HP strips can be easily cut down for smaller widths. The conductive strip is 42HP wide and supplied singly.

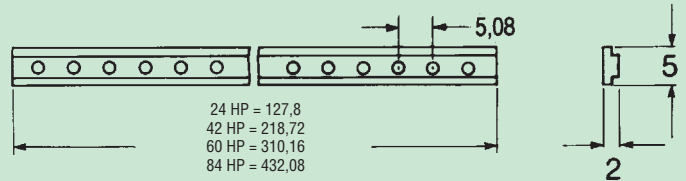
*Note: If conductive spacer strips are used in 84HP subracks please order 2 x 42HP spacer strips per tie bar.*

### Contents of kit

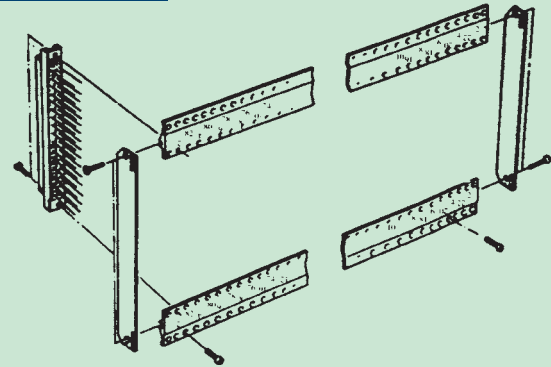
Item/Description	Material/Finish
Insulating spacer	1mm insulating/grey PVC UL94V0
Conductive	1mm MS zinc and passivate

### Ordering information

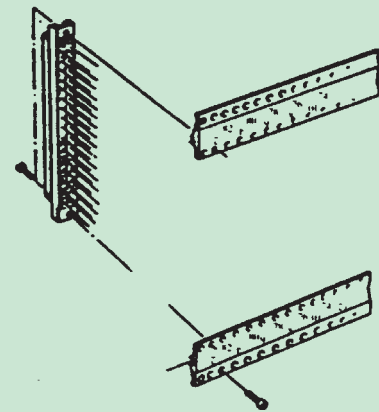
Description	Qty.	Order code
Insulating spacer single level	1	950-10014H
Insulating spacer two level	1	950-10015E
Conductive spacer 42HP only	1	173-60788B



Tapped strip

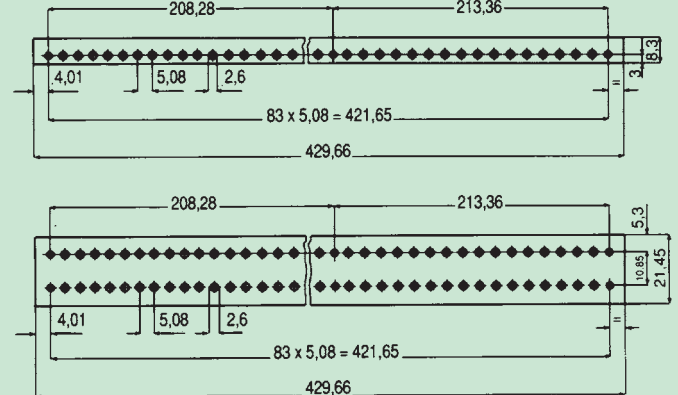


DIN 41612 connector mounting frame

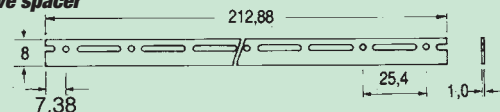


DIN 41612 connector mounting extrusions

### Insulating spacers



### Conductive spacer



Backplane spacer strips

# KM6-II Subracks: Accessories

## KM6-II GUIDES



### ONE PART GUIDES

- Type 1 PCB** For Eurocards of 1,6mm thickness, either 100mm, 160mm or 220mm long. Compatible with grounding clip, see page 33
- Type 2 PCB** For Eurocards of 2,4mm thickness, either 160mm or 220mm long. Not compatible with grounding clip.
- Type 3 PIU** Plug-in unit (piu) type for cards 111,76 or 245,1mm height, 1,6mm thickness, 160 or 220mm long.
- Type 4 PCB** For Eurocards of 1,6mm thickness, 220mm long, this guide will fit over intermediate extrusions, permitting mixing of pcb depths. Compatible with grounding clip. See page 33.

### Contents of kit

Description	Material/Finish
Types 1, 3, 4	Luranyl 2452/1 or equivalent, green
Types 2	Luranyl 2452/1 or equivalent, black

### Ordering information

Description: KM6-II Guides - One part

Type	Application	Board Length	Qty.	Order code
1	PCB 1,6mm thick	100 mm	10	950-242850B
		160 mm	10	950-232662J
		160 mm	1000	956-243239E
		220 mm	10	956-232663G
		220 mm	1000	956-243240J
2	PCB 2,4mm thick	160 mm	10	173-232666F
		220 mm	10	173-232667D
3	Plug-in-unit	160 mm	10	950-232664E
		220 mm	10	950-232665C
4	Low profile PCB	220 mm	10	950-232668H

### THREE PART GUIDES

- Type 5** Aluminium centre section, with plastic slide in guide section, for 280mm, 340mm or 400mm lengths, 1,6mm thickness. Order separately: End feet for pcb or piu.
- Type 6** Three part guide end feet for Eurocards of 1,6mm thickness.
- Type 8** Three part guide end feet for piu of 1,6mm thickness.

### Contents of kit

Item/Description	Material/Finish
Type 5	Al extrusion, anodised, plastic side-in section
Type 6 and 8	Noryl 2452/1α, black
Type 6 and 8	Noryl 2452/1α, green

Luranyl 2452/1 is a UL94 V1 rated material with a continuous rating of 105°C

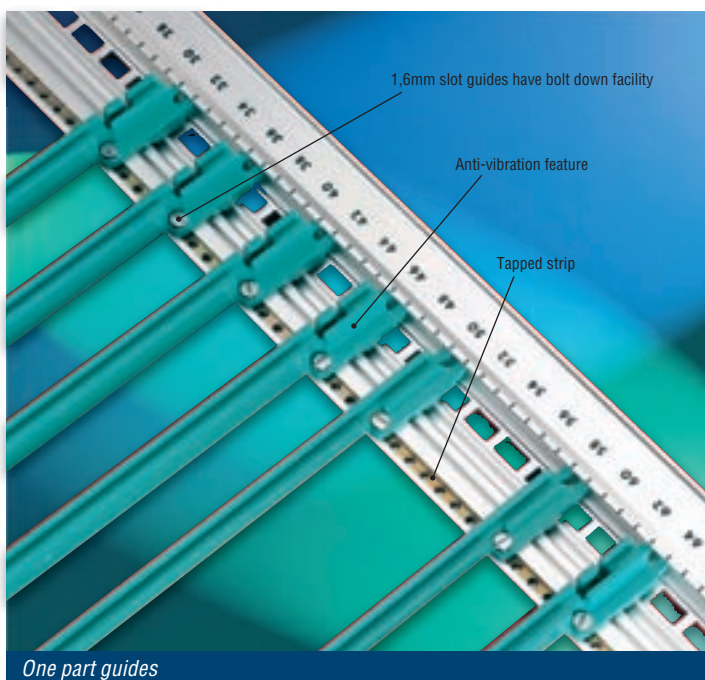
### Ordering information

Description: KM6-II Guides - Three part

Type	Application	Board Length	Qty.	Order code
5	PCB 1,6mm thick	280 mm	10	950-276108B
		340 mm	10	950-276109L
		400 mm	10	950-276110D
6	Guide feet, PCB 1,6mm thick		10 prs.	950-202635H
8	Guide feet, PIU or PCB 1,6mm thick		10 prs.	950-202636F

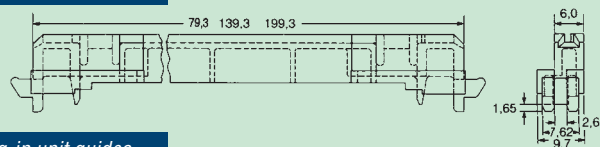


One part guides

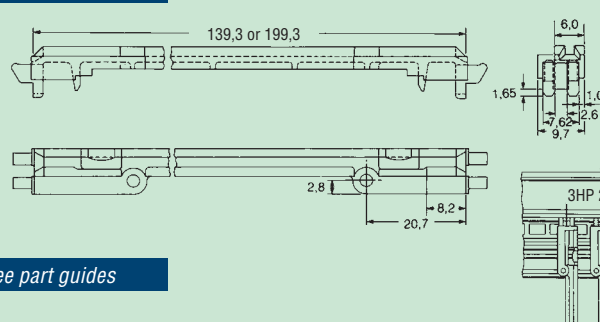


One part guides

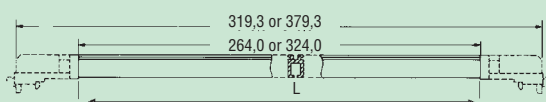
### PCB Guides



### Plug-in unit guides



### Three part guides



Guide length 'L' Guides should be cut to pcb length minus 76mm.

# KM6-II Subracks: Accessories

## PCB GROUNDING CLIP

This grounding clip can be inserted into the front or rear of 1,6mm pcb guides in KM6-II and KM6-EC subracks.



### Features

- Electrostatic Protection
- Occupies 'unused' area of Eurocard
- No screws required

Contacts on the clip provide electrical continuity between a suitably equipped Eurocard and, via a spring under the clip to standard front extrusions. Pcb's can, therefore, be grounded before the engagement of connectors. The clip, which is supplied in packs of 10, fits into a 'pocket' in the guide and requires no screw fixings to maintain contact.

The modification required to the pcb takes the form of a conductive strip along the edge of the board, either on the left or right side (see illustration). The clip has been tested to IEC 950: 1986 section 2.5.11. In testing, the clip reached a steady temperature of 76 degrees C at 15A, with a resistance path of 7mΩ. A typical electrostatic discharge would be 12A for a period of 1 microsecond.

It should be noted that the clip is designed to provide a ground path for electrostatic charges, not for a power short circuit or as a ground rail.

### Contents of kit

Description	Material/Finish
Grounding clip	0,15mm spring steel plated

### Ordering information

Description	Qty.	Order code
Grounding clip	pk 10	950-251366F

## POSITIVE GUIDE RETENTION – TAPPED STRIPS

All KM6-II guides, with the exception of the 2,4mm slot version, can be bolted down to a tapped strip in the front extrusion to give shock and vibration resistance.

Tapped strips (supplied singly) should be selected by subrack width.

The screw used is M2,5 x 5mm cheesehead, supplied in a packet of 100.

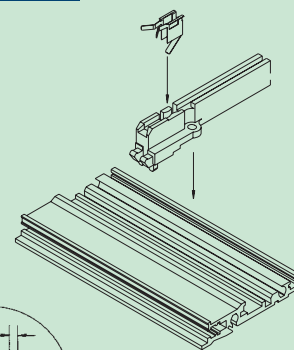
### Ordering information

Description: Positive guide retention

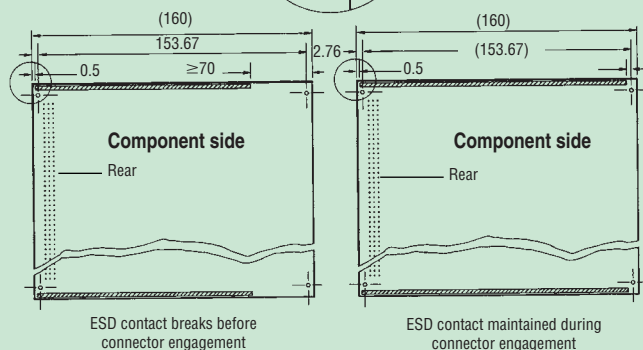
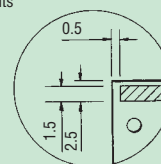
Type	Width	Qty.	Order code
Standard	42HP	1	173-12706H
	84HP	1	173-12704C
	24HP	1	950-202799L
Universal	42HP	1	950-202739G
	60HP	1	950-202740L
	84HP	1	950-202001E
Security fixing screws	M2,5 x 5	100	173-202579H

Note: for other widths and for divider kits, a longer strip should be cutdown to suit.

## PCB Grounding clip

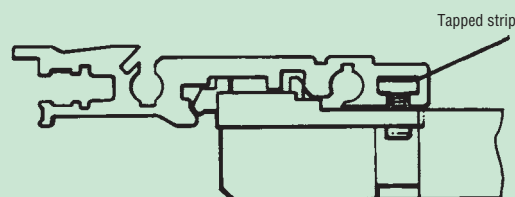


Detail of grounding strip requirements on a standard Eurocard - wiring and/or component side



PCB ESD Contact strips top / bottom

## Positive guide retention – tapped strips



Screw retention of guides in a KM6-II subrack

# KM6-II Subracks: Accessories

A range of moulded parts providing additional facilities for KM6-II and KM6-EC users.

## PCB RETAINERS

Card retainers are available in two types, normal and security.

The normal retainer is positioned directly in front of the guide moulding and is operated by finger pressure as illustrated to release the PCB. The security retainer is designed for extra security in vibrative environments and is operated by a unique screw arrangement.



Once clipped in position in front of a PCB guide, complete security is achieved by 3 turns anti-clockwise of the retaining screw with a screw driver.

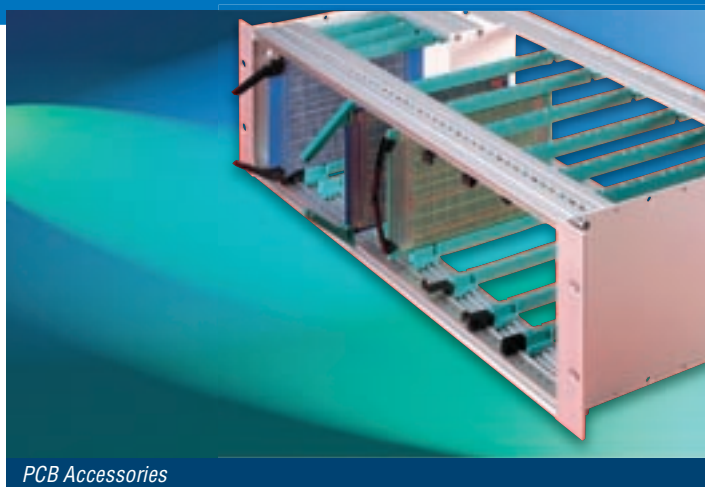
### Contents of kit

Description	Qty.	Material/Finish
PCB retainer	pk. 10	Noryl (GFN/701 code 1V) black

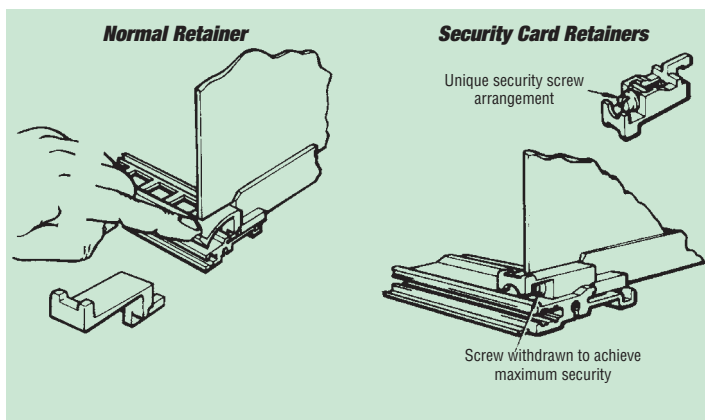
### Ordering information

Description: PCB Retainers

Retainer Type	Compatibility			Order code
	KM6-II	KM6-EC	KM6-RF	
Normal	✓	✓	✓	173-13821D
Security	✓	✓	✗	173-24768C



PCB Accessories



PCB Retainers

## PCB GUIDE NOSE

- Assists location of PCBs
- Extends existing KM6 PCB guide

The guide nose fits to standard 1,6 PCB guides, extending their length to within 5mm of the inside face of a front panel. The increased length is especially useful for locating circuit boards in subracks which are above or below eye level. It also provides a purchase point for the operation of certain types of card ejector.

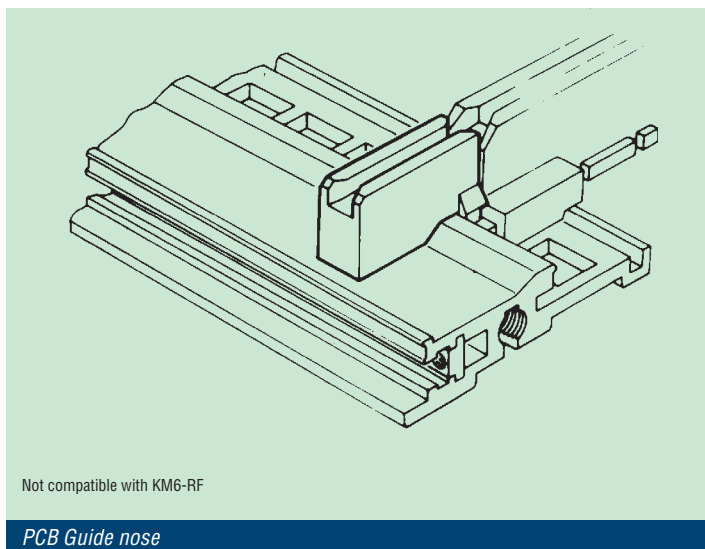


### Contents of kit

Description	Qty.	Material/Finish
PCB guide nose	pk 10 pairs	Noryl SE1, black

### Ordering information

Description	Qty.	Order code
PCB guide nose	10 prs.	173-232679H



PCB Guide nose

Note: all accessories on this page will fit behind a normal IEC 297 front panel

# KM6-II Subracks: Accessories

## PCB EJECTORS



These are designed to aid the easy removal of printed circuit boards from subracks and case frames. To remove the card, ejectors are pushed downwards and then levered against the front extrusion. The ejectors are of a size that they can be used for easy insertion of boards and at the same time offer some protection to the components of the board.

### Contents of kit

Description	Qty.	Material/Finish
PCB ejectors	pk 10	Noryl SE1, green
Fixing pins	pk10	Steel

### Ordering information

Description	Qty.	Order code
PCB ejector	10	173-12659F

## PCB INJECTOR/EJECTOR

PCB's fitted with multiple DIN connectors can require very high insertion and withdrawal forces. These injector/ejectors comprise levers which fit to the PCB and saddles which are retained in front of the guide.

It is recommended that guides are screwed down where insertion forces are excessive. See page 33.

### Contents of kit

Description	Qty.	Material/Finish
PCB injector/ejector	pk 10 pairs	Glass filled nylon 66
Fixings		

### Ordering information

Description	Qty.	Order code
PCB injector/ejector	10 pairs	950-251174D

## FLEXIBLE CARD HANDLES



The design of this handle allows a positive grip for card extraction by bowing out from the board when pulled. When not in use it projects less than 2,0mm outward from the card edge, thereby being compatible with KM6 system.

### Contents of kit

Description	Qty.	Material/Finish
Handles	pk 10	Nylon 66
Tension pins	pk 10	Steel

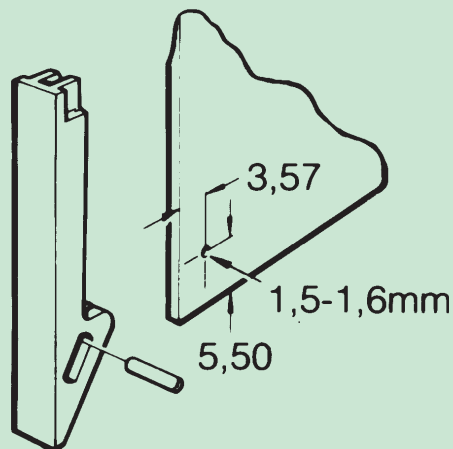
### Ordering information

Description: Flexible card handles

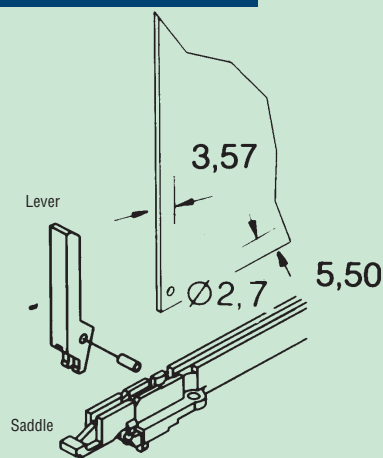
Material	Colour	Qty.	Order code
Nylon 66	Natural	10	21-1884E
	Red	10	21-1885L
	Green	10	21-1886F
	Yellow	10	21-1887A
	Black	10	21-1888G
	Blue	10	21-1889B

Note: all accessories on this page will fit behind a normal IEC 297 front panel

## PCB Ejector

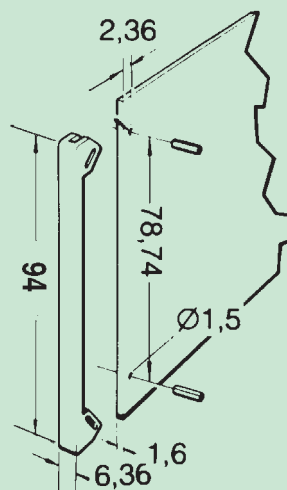


## PCB Injector/Ejector



Not compatible with KM6-RF subracks

## Flexible card handle



# KM6-II Subracks: Guides for mounting to flat plates

## GUIDES FOR MOUNTING TO FLAT PLATES

A range of clip-in guides is available for holding PCB's. These guides can be fitted to simple plates of the appropriate thickness.

## ANTI-VIBRATION CARD GUIDES

Moulded-in fingers, occurring at frequent intervals down the length of the card slot act as pressure pads, suitable for board thickness of 1,6mm.

The guides have also been designed to present maximum surface areas resulting in maximum air circulation.

Material thickness is minimum 1,52 mm, maximum 1,78 mm.

### Contents of kit

Description	Qty.	Material/Finish
Guide	1	Nylon 66, Black Flammability characteristic UL 94V-2

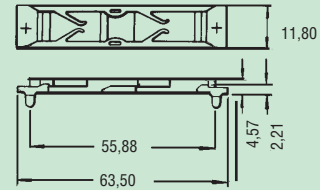
### Ordering information

Type	Fixing hole pitch	Fixing hole dia.	Order code
A	55,88	3,30 +	29-1246L $\text{\textcircled{M}}$
B	76,20	3,30 +	29-1247F $\text{\textcircled{M}}$
C	92,08	3,30 +	29-1248A $\text{\textcircled{M}}$
D	92,08	3,30 +	29-1249G $\text{\textcircled{M}}$
E	161,93	29-1251H $\text{\textcircled{M}}$	

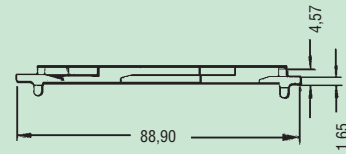
$\text{\textcircled{M}}$  = Denotes minimum order quantity, please contact our sales office.

+ Because of the hygroscopic effect of moisture on Nylon 66 it is recommended that one of the holes should be obround 3,30 x 3,80 to allow for variation in length if used in potentially humid atmospheres.

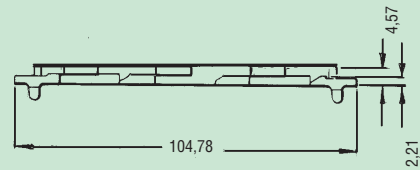
### TYPE A



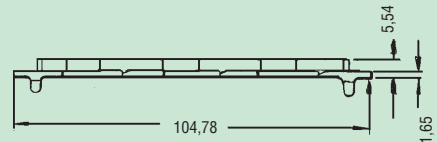
### TYPE B



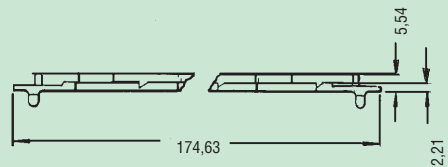
### TYPE C



### TYPE D



### TYPE E



# KM6-II Subracks: Clip-in guides

## CLIP-IN GUIDES

Available in three lengths

A range of guides providing a quick and simple method of circuit board mounting for a wide range of applications.

- Suitable for 1,6mm boards
- Simple to fix – integral pip gives maximum retention with no further fixings required.
- Tapered guide entry in two planes for ease and accuracy of PCB insertion
- 2mm channel depth gives good card locations without wasted PC area
- Unlimited card spacing
- No special tooling required

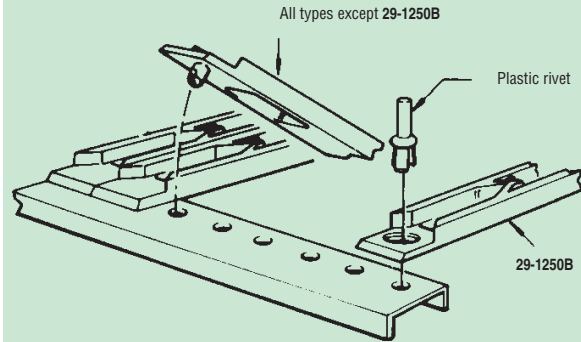
### Contents of kit

Description	Material/Finish
Clip-in guide	Nylon 66, Black Flammability characteristic UL 94V-2

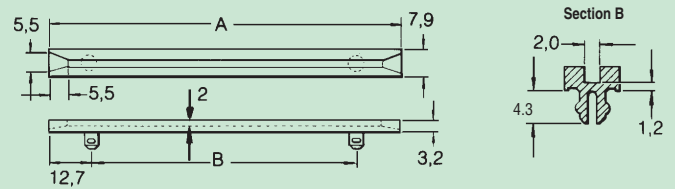
### Ordering information

A	B	Order code
101,6	76,2	29-0122C
139,7	76,2	29-0124D
177,8	152,4	29-0126E

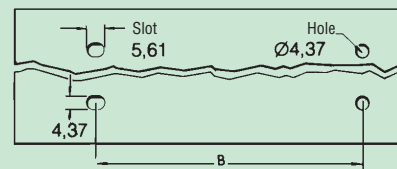
### FIXING METHOD



### CLIP-IN GUIDE DIMENSIONS



Mounting Hole Detail  
(Plate thickness 1,6mm)

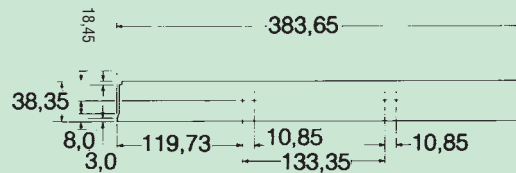
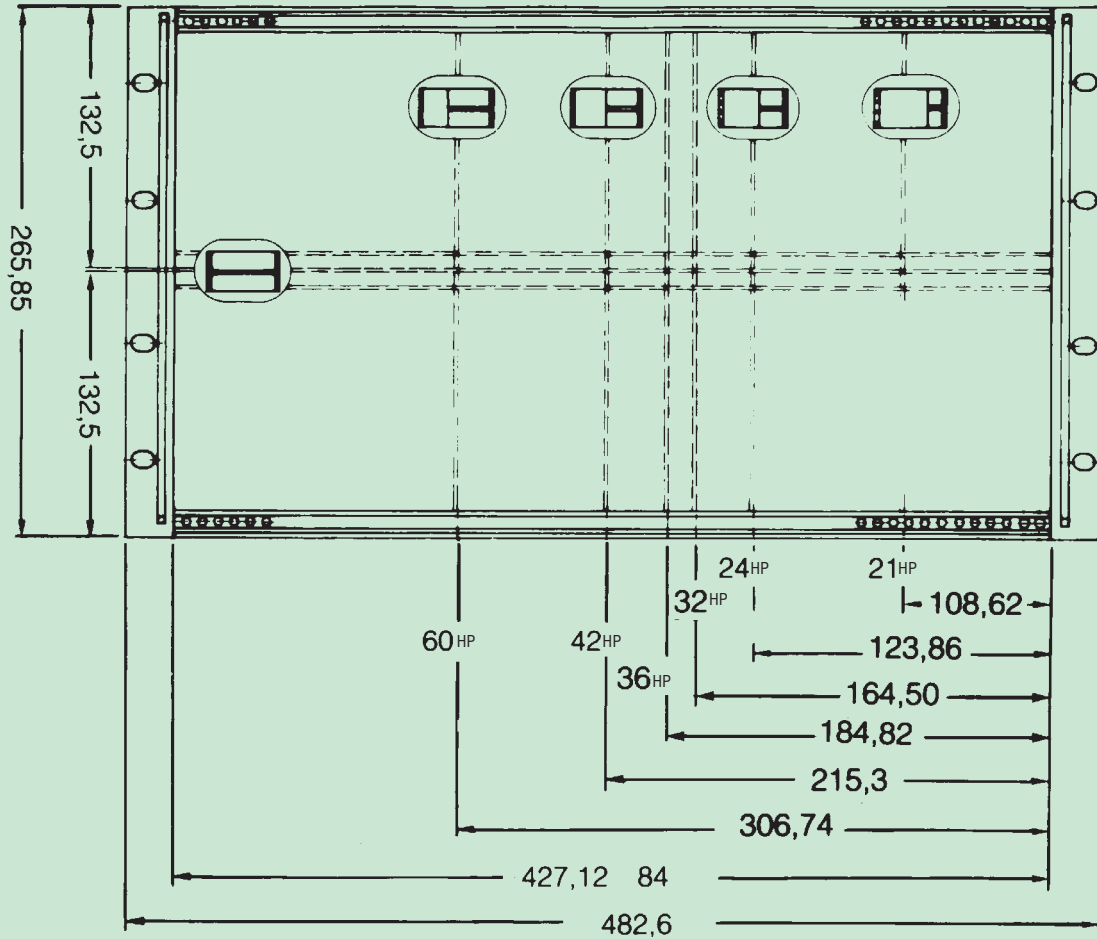


Guides for mounting to flat plates and clip-in guides

# KM6-II Subracks: Front Divider kits

**Dimensional detail - Front dividers**

**KM6-II**  
standard & universal  
compatible

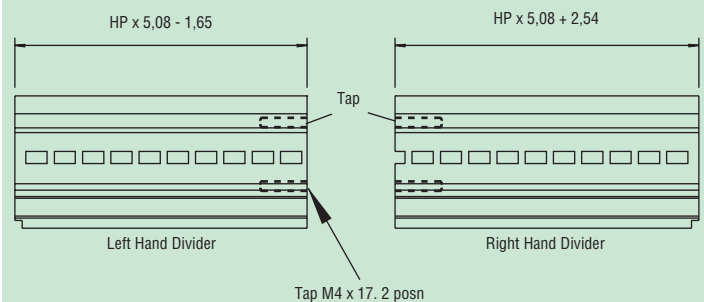


## Non-standard divider extrusions

In order to produce other widths of divider kits, the standard width should be modified as shown.

Please note that the tie bar lengths differ depending upon whether the required divider area is left hand or right hand.

## Front divider tie bar



# KM6-II Subracks: Front Divider kits

## KM6-II 6U FRONT DIVIDER KITS

KM6-II, front divider kits can be fitted after assembly of the subracks.

For use with 6U subracks, these divider kits provide a useful way to mix 3U and 6U board heights within a unit. The divider section is available in different widths, from 21HP to 84HP, and divides the subrack from either the left hand or right hand side.

The design of the kit is such that there is no loss of front panel space. It should be noted, however, that the divider plate restricts the use of 'C' type connectors to plug-in units of 4 HP width, or greater, at the position immediately to the left of the plate.

### Contents of kit

Description	Qty.	Material/Finish
Front extrusions	2	Aluminium alloy BS 1474HE9TF conductive clear chromate
6U divider plate (not 84HP version)	1	1,6mm aluminium alloy BS1470NS4 1/2H conductive clear chromate
Location mouldings (not 84 HP version)	3	Luranyl 2452/1□
Tapped strips	2	Steel, zinc plated and colour passivated
Fixing screws		

## KM6-II 9U FRONT DIVIDER PLATE

This plate will divide a 9U subrack into 3U and 6U sections. It should be ordered in conjunction with 6U front divider kits. (The 6U plate is discarded.)

### Ordering information

Description	Order code
9U divider plate	950-202622F 

 = Denotes minimum order quantity, please contact our sales office

## KM6-II LEFT HAND AND RIGHT HAND DIVIDER KIT

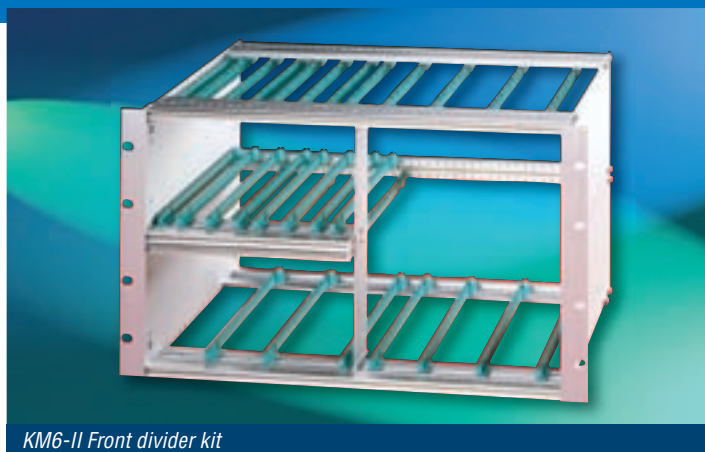
### Ordering information

Description: Left hand divider kit

Height	Division	Width	Order code
6U	Left hand divider kit	21HP	950-202604H
		24HP	950-202605F
		42HP	950-202606D
		60HP	950-202607B
Full width divider kit		84HP	950-201275F

Description: Right hand divider kit

Height	Division	Width	Order code
6U	Right hand divider kit	21HP	950-202609J
		24HP	950-202610B
		36HP	950-202615C
		42HP	950-202611L
		60HP	950-202612J
Full width divider kit		84HP	950-201275F



KM6-II Front divider kit

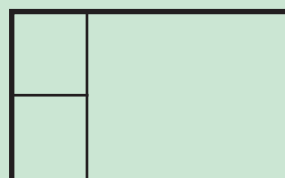


Front divider kit



Front divider plate

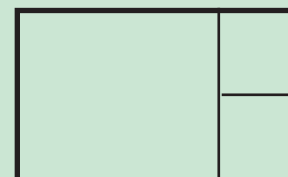
6U Left hand divider kits



6U Full width 84HP divider kit



6U Right hand divider kits



# KM6-II Subracks: Rear Divider kits

## REAR DIVIDER KITS

Rear dividers shorten the depth of the subrack by 60mm locally at the rear, and are employed when it is necessary to use mixed depth PCBs or modules within a 3U or 6U subrack. **Example:** where 160mm PCBs are required in a frame where the rear extrusions are set for 220mm deep PCBs.

Rear dividers can be supplied as listed below (as a 6U kit), or can be configured by using 3U and 6U dividers together with rear tie bars and tapped strips which are available separately.

### Contents of kit

Description	Qty.	Material/finish
36HP Top and bottom rear tie bars	2	Aluminium alloy extrusion BS 14746063T6, conductive clear chromate
36HP Mid-rear tie bar	1	Aluminium alloy extrusion BS 14746063T6, conductive clear chromate
6U Rear divider plate	1	1,6mm Aluminium alloy BS1470NS4 1/2H, conductive clear chromate
Assembly screws	Kit	

### Ordering information

Description	Qty.	Order code
6U x 36HP Right hand divider kit	1	950-203688D

## REAR DIVIDER PLATES

Rear divider plates are available in both 3U and 6U heights. Rear tie bars, tapped strips, fixing screws etc. should be ordered separately to suit the required width of the divided area. Should non-standard divider widths be required the tie bars can easily be cut to suit (see illustration opposite).

### Contents of kit

Description	Qty	Material/Finish
Divider plate	1	1,6mm Aluminium alloy conductive clear chromate
Fixing screws		

### Ordering information

Description	Qty.	Order code
3U Divider plate	1	950-202623D
6U Divider plate	1	950-202624B

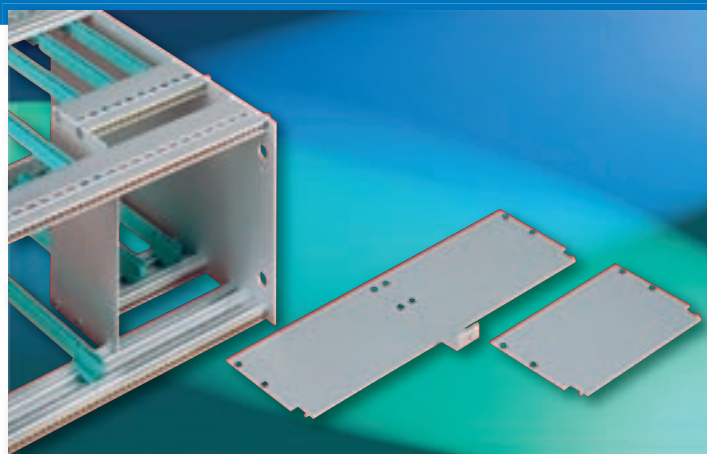
*Note: when a 6U divider plate is used a short piece of tapped strip should be fitted into the mid rear tie bar.*

## NON-STANDARD WIDTH REAR DIVIDER EXTRUSIONS

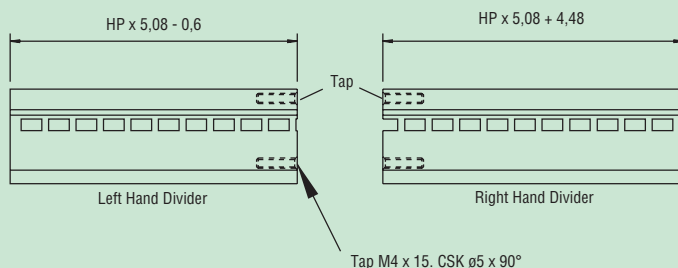
In order to produce other widths of divider kits, a larger, standard width should be modified as shown (see illustration at right). Please note that the tie bar lengths differ depending upon whether the required divider area is left or right handed.

### Order separately

Product	Page
Rear top/bottom backplane tie bars	27
Mid rear tie bars	27
Rear DIN 41612 connector tie bars	28
DIN 41612 conversions frames/extrusions	31
Backplane insulation/conductive spacers	31
Tapped strips	31
Fixing screws	45



Rear divider kit



Rear divider tie bar

# KM6-II Subracks: Dust covers

## TOP AND BASE COVER KITS

This range of top and base covers are suitable for fitting to both Standard and Universal KM6-II subracks and KM6-EC subracks.



Two depths are available for protecting the guide area of 160mm or 220mm boards. The covers are available in ventilated or unventilated versions and can be fitted after the subrack has been assembled. A slot in the rear tie bar captures the cover and plastic clips secure it to the front. The cover can thus be easily removed for access.

### Contents of kit

Item/Description	Qty.	Material/Finish
Covers	2	0,9mm aluminium alloy BS14705251 (NS4H6) conductive clear chromate
Cover retaining clips	8	Grey ABS

### Ordering information

Description: Top and base cover kits

Type	Card depth	Qty.	Order code
Ventilated	160mm	2	950-202625L
	220mm	2	950-202626J
Unventilated	160mm	2	950-221913K
	220mm	2	950-221914H



Top/base covers

## OTHER CONFIGURATIONS

It is possible on Universal Subracks to use the EMC covers as ordinary covers when the tie bars are set in certain configurations. Call us for details.

## REAR COVER KITS

Suitable for both Standard and Universal KM6-II Subracks, these are available in heights of 3U and 6U and are assembled to the endplates. All KM6-II endplates are pre-punched to accept these covers.



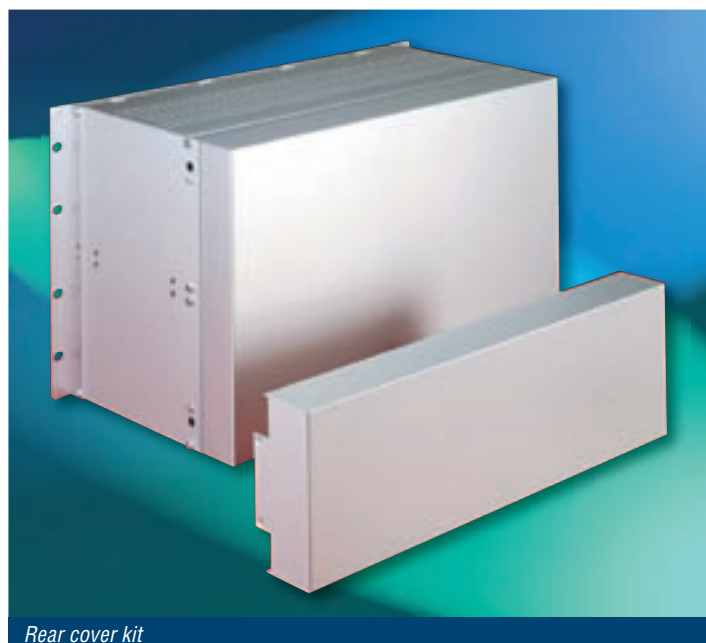
The rear cover adds 41mm to the overall depth of a subrack.

### Contents of kit

Description	Qty.	Material/Finish
Cover	1	0,9mm aluminium alloy BS14705251 (NS4H6) conductive clear chromate
All fixings		

### Ordering information

Description: Rear cover kit	Qty.	Order code
3U rear cover	1	950-202641B
6U rear cover	1	950-202642L



Rear cover kit

# KM6-II Subracks: Accessories

## HORIZONTAL MOUNTING MODULES



This unit, which fits into a subrack like a 3U module, is actually a 6U x 20HP subrack on its side. This module permits the use of normal guides, front panels, plug-in units etc. and solves the problem of housing double Eurocards, i.e. 6U cards, in a 3U subrack, a situation which is frequently associated with modern bus systems.

The horizontal mounting module offers a number of additional advantages. It can be sub-assembled separately from the main subrack, and it offers "chimney" cooling between the end plates.

### Contents of kit

Description	Qty.	Material/Finish
End plates	2	2,0mm Al chromate
Front tie bars	2	BS 1474 HE 9 TE extrusion conductive clear chromate
Rear backplane tie bars	3	BS 1474 HE 9 TE extrusion conductive clear chromate
Insulating strips	4	PVC grey UL 94.V0
Tapped strips	6	Mild steel zinc and passivate
Trim panels	2	1,0mm Al etch and clear anodise
Infill panel	1	2,5mm Al etch and clear anodise
Insulating sheet	1	Mylar 240
All fixings		

### Notes

- The unit can be supported over its depth by fitting one or two plug-in guides to the main subrack directly under the horizontal module.
- In order to maintain correct connector geometry it is necessary to fit a spacer, either conductive or insulating, between the rear backplane mounting extrusions and the motherboard/backplane.

### Ordering information

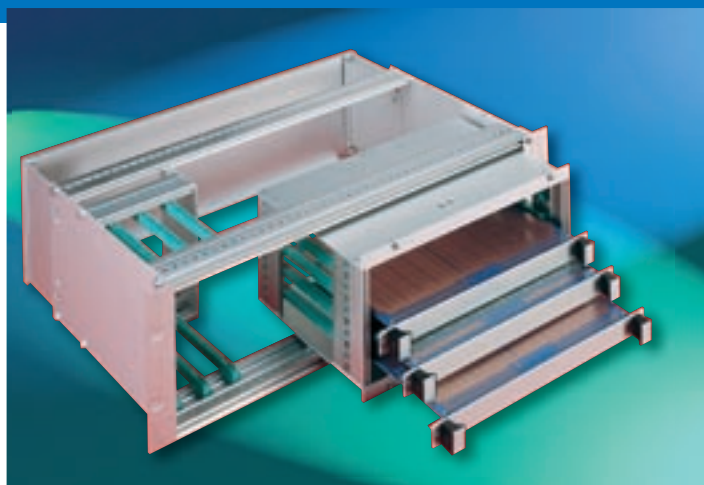
Description: Horizontal mounting module

Type	Depth	Qty.	Order code
Horizontal module	160mm	1	950-202971C
	220mm	1	950-202972A
PCB guide	160mm	Pk10	950-232662J
	220mm	Pk10	950-232663G

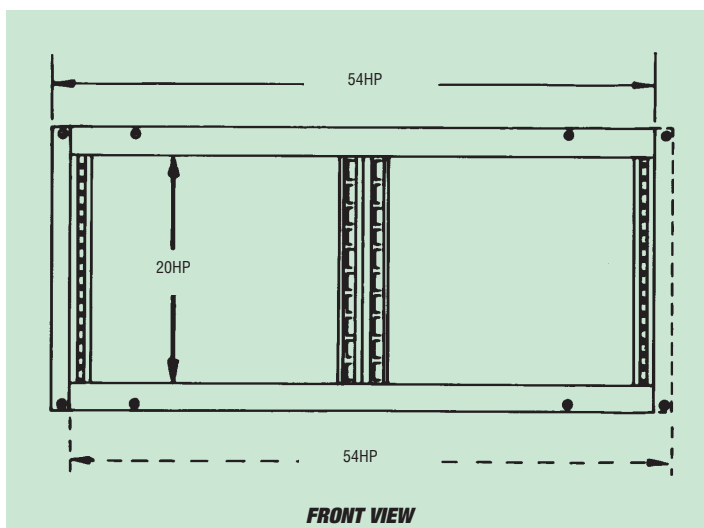
## KM6-II HORIZONTAL MOUNTING MODULES – ACCESSORIES

Order separately

Product	Page
Backplane insulation/conductive spacers	31
DIN 41612 Connector mounting frame	31
DIN 41612 Connector mounting extrusions	31
PCB or Module guides (1 or 3 part types)	32
PCB Grounding clips	33
Positive guide retention – tapped strips	33
PCB Retainers and PCB guide nose	34
PCB Ejectors and card handles	35
Front panels and plug-in units	50 – 77



Horizontal mounting modules



# KM6-II Subracks: Accessories

## SUBRACK HANDLES

These handles are identical to those supplied in the KM6-II 'Standard' subrack kit as featured on pages 14 and 15, and offered here as accessories to the KM6 range.



### Features

- Stylish modern appearance
- Comfortable hand grip
- Range of sizes

Compatible, pre-drilled 3U and 6U end plate angles are shown on page 25, but other sizes of end plate angle can easily be modified to suit application requirements.

### Contents of kit

Description	Qty.	Material/Finish
Handle	1	Aluminium alloy E6, Etch and clear anodised

### Ordering information

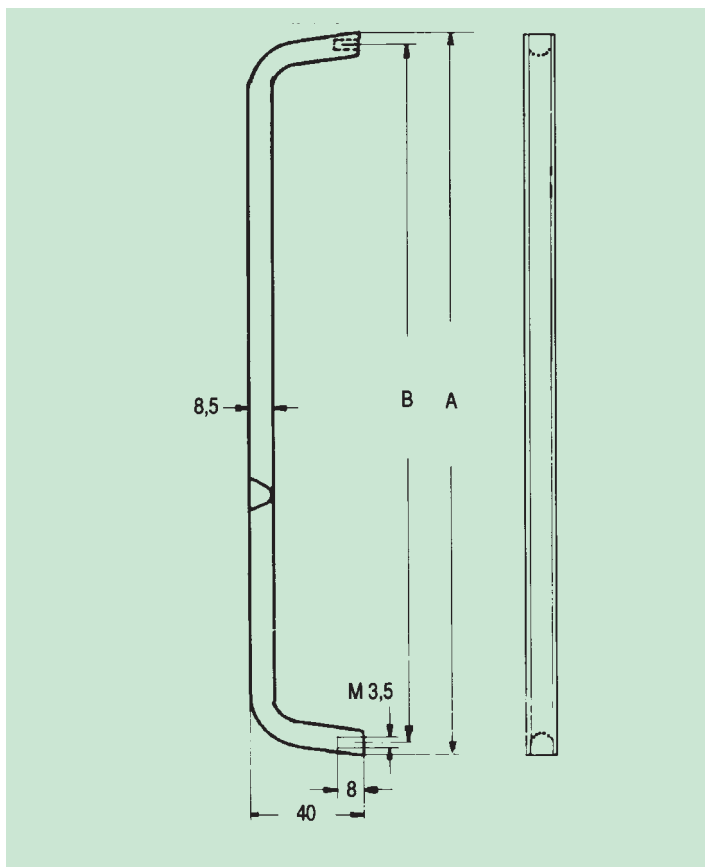
Height	A	B	Qty.	Order code
3U	116,3mm	108,3mm	1	50-10117C
4U	160,8mm	152,8mm	1	50-10116G
6U	249,7mm	241,7mm	1	50-10118K
Screw M3, 5 x 10 countersunk head			Pk 10	173-10036K

### Order separately

Description	Page
Fixing screws	Code as above



Subrack handles



# KM6-II Subracks: Accessories

## REAR HINGED CONNECTOR MOUNTING PANEL



This hinged rear panel provides a means of mounting plugs and sockets, and extends the depth of the subrack by 76,2mm. This extension in depth gives sufficient additional space between the backplane and the rear panel to allow wiring to the connectors.

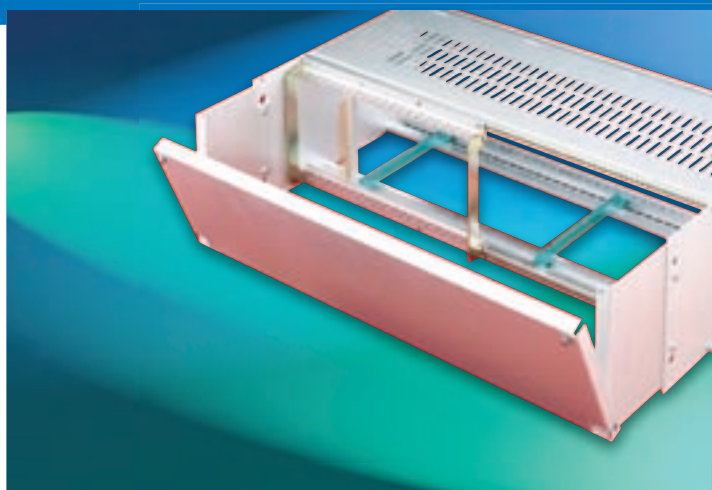
### Contents of kit

Description	Qty.	Material/Finish
Side plates	2	1,6mm aluminium, conductive clear chromate
Rear panel	1	1,6mm aluminium, conductive clear chromate
All fixings		

### Ordering information

Description: Rear hinged panel

Hieght	Width	Order Code
3U	84HP	950-202746K



Rear hinged connector mounting panel

## FRAMING KIT

For applications such as the addition of an overall rear panel or where a subrack is reverse mounted on a wall or electrical panel, for instance, this kit provides an aesthetically pleasing frame.

It is available in three heights, and a standard width of 84HP.

### Contents of kit

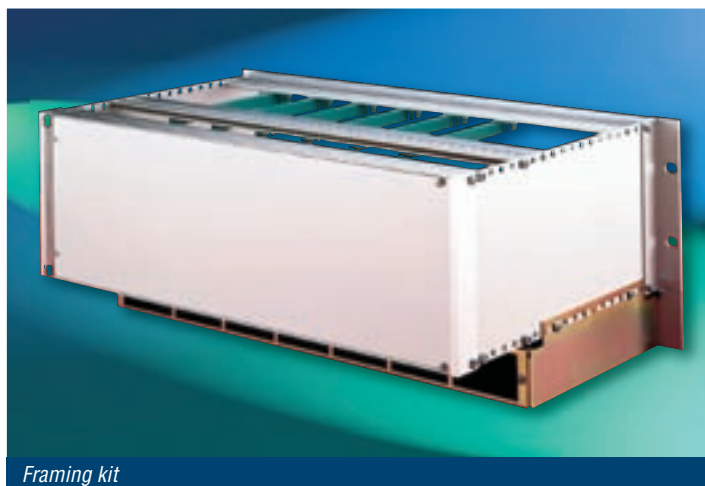
Description	Qty.	Material/Finish
Closing angles	2	BS 1474 HE9TF extrusions conductive clear chromate
Plain extrusions	2	BS 1474 HE9TF extrusions conductive clear chromate
Tapped strips	2	MS zinc and colour passivated
Fixing screws	8	

### Ordering information

Description: Framing kit

Dimensions	Qty.	Order code
3U x 84HP	1	950-222331E
6U x 84HP	1	950-222332C
9U x 84HP	1	950-222333A

Please note – order front panels separately. See pages 23, 51 – 52 and 58 – 59 for details of compatibel front panels.



Framing kit

## CONNECTOR PROTECTION PLATES



Suitable for 3U/6U subracks, designed to protect connectors and wiring against damage. The plates bolt onto pre-drilled positions on the subrack endplates and add 30mm to the overall depth of the subrack.

### Contents of kit

Description	Qty.	Material/Finish
Plates	2	2,5mm aluminium BS 1470 NS4 1/2H conductive clear chromate
All fixings		

### Ordering information

Description	Qty.	Order Code
Connector protection plate	2	950-202751F

Note: It is recommended that two kits are used on 6U frames.



Connector protection plates

# KM6-II Subracks: Accessories

## KM6-II CHASSIS SYSTEM



The chassis system offers a method of mounting simple plates into subracks. They can be used for carrying additional components such as power supplies, or for securing wiring etc.

The components of this system are designed for maximum versatility.

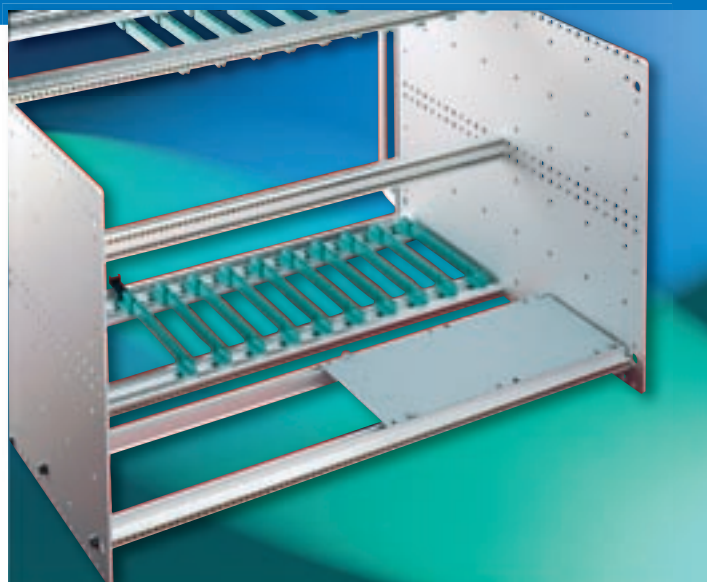
The extrusion has an M4 section which will accept hex nuts or screws directly and a section which will accept a KM6-II tapped strip or M2,5 hex nuts and screws. The extrusion is tapped M4 for fixing and our standard subrack kits have additional holes to provide convenient mounting centres.

### Contents of kit

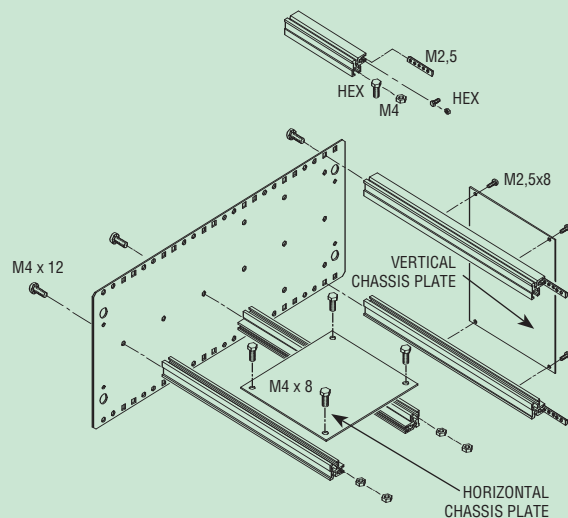
Description	Qty.	Material/Finish
Extrusions	1	aluminium alloy BS1474 6063T6, conductive clear chromate

### Ordering information

Description	Unit	Order code
Chassis extrusion, 42HP	each	956-242701D
Chassis extrusion, 60HP	each	956-242702B
Chassis extrusion, 84HP	each	956-242703L
Screws M2,5 x 8 hex head	Pk 100	956-243262K
Screws M4 x 8 hex head	Pk 100	956-243263H
M2,5 hex nuts	Pk 100	27-1319C
M4 hex nuts	Pk 100	956-243264F
Extrusion fixing screw M4 x 12 pan posi	Pk 100	956-243261A



KM6-II Chassis system



### KM6-II fixings

## SUBRACK FIXINGS

### Ordering information

Key	Function	Type	Qty.	Order code
1	End plate to tie bar extrusions	M4 x 25 skt cap	pk 100	950-202734F
2	Connector to rear tie bar	M2,5 x 6mm	pk 100	173-12530B
3	Backplane to backplane extrusion	M2,5 x 5mm	pk 100	173-202579H
4	Guides to front tie bar	M2,5 x 6	pk 100	173-12530B
5	Backplane to backplane extrusion	M2,5 x 8	pk 100	41-227257E

A range of fixings for use with front panels and plug-in modules is also available. Please refer to page 75 for details.

