

Datasheet

KM6 II PCB retainer, 84HP

RS Stock number 500-869

KM6-EC SUBRACK

- Economy range
- Lightweight
- Simple, accurate assembly
- Versatile
- Supplied in kit form
- EMC conversion
- Conductive finish

This lightweight range of IEC 297-3 subracks provides an economical alternative to KM6-I. Certain accessories from the KM6-I range are compatible with KM6-EC and are identified accordingly in this section.

The EC universally pierced end plates have rows of holes at intermediate U heights with additional mounting positions for superslim slides and for the versatile chassis system.

Versions are available for backplane mounting or for DIN 41612 connectors.

There are two types of backplane extrusion; **Type 1** is a normal version which requires a backplane spacer strip, either insulating or conductive, to maintain the geometry of the subrack. **Type 2** is extended to obviate the need for a spacer; this version is acceptable provided there is no need to insulate the backplane from the extrusion.

Order separately:

	Page
Front tapped strips	4.31
Guides	4.34
Backplane spacers	4.31
Divider kits	4.14
EMC conversion	4.21
Cover kits	4.39
or	4.14
DIN 41612 Conversion	4.31
DIN 41612 Connectors	4.93

① = Denotes minimum order quantity, please contact our sales office.

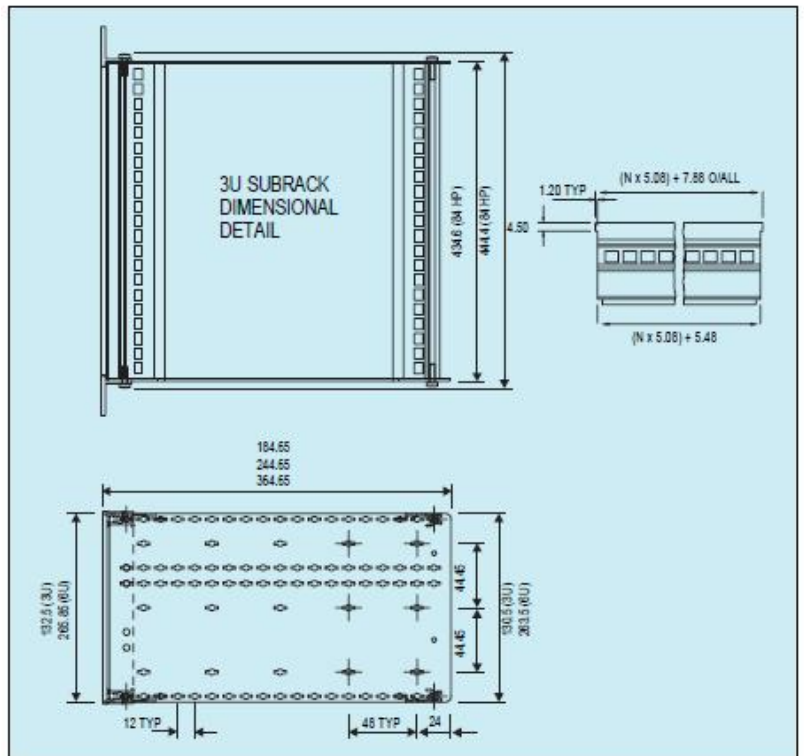
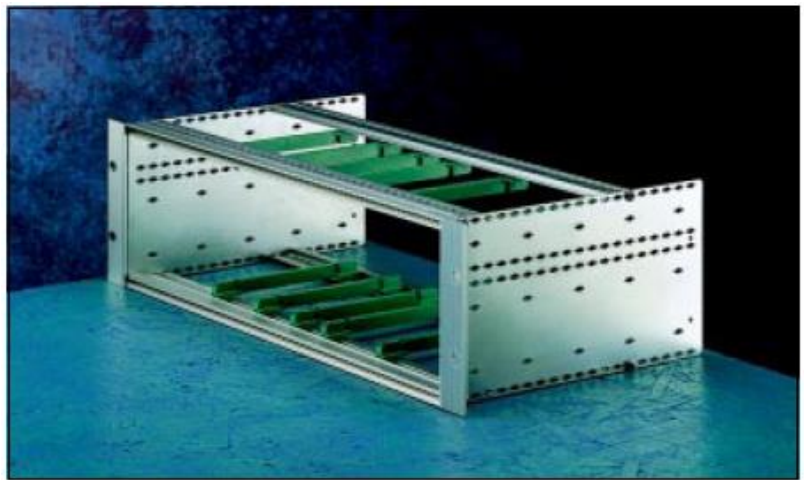
Note: The finish gives excellent electrical conductivity but is more easily marked than anodising. During assembly care should therefore be taken to avoid the deposition of grease and oil, particularly on visible surfaces.

MATERIAL SPECIFICATION

All extrusions : Aluminium alloy BS 1474 6063T6
Alocrom 1000 or equivalent (end plate angle anodised)

End plate : 1,2mm CR4 steel BS 1449 zinc plate and clear passivate

Tapped strips : MS zinc and passivate



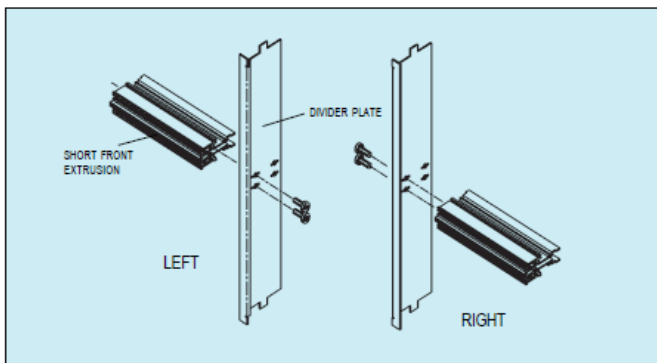
CONTENTS OF KIT

- 2 end plates
- 2 end plate angles
- 2 front extrusions
- 2 rear extrusions 3U and 6U
- 1 two part centre rear extrusion 6U
- Fixings
- Tapped strips:
- Backplane versions
- 2 - 3U
- 4 - 6U
- Assembly instructions

KM6-EC SUBRACKS

Ordering information

Height	End plate depth	Width (HP)	Backplane mounting Type 1	Backplane mounting Type 2	DIN 41612 mounting
3U	180	42	956-241016B	956-256255H	-
		60	956-241017L	-	-
		84	956-241018J	956-250499K	956-241028F
	240	42	956-241019G	956-256256F	-
		60	-	-	-
		84	956-241020L	956-250500G	956-241029D
360	84	956-241021J	956-250501E	956-241030H	
6U	180	42	956-241022G	-	-
		60	956-241023E	-	-
		84	956-241024C	956-250502C	956-241031F
	240	42	956-241025A	-	-
		84	956-241026K	956-250503A	956-241032D
		84	956-241027H	956-250504K	956-241033B



KM6-EC SUBRACK

KM6-EC DIVIDER KITS

Mixed height

Use to partially divide 6U into 2 x 3U sections. Please note that divider plate occupies 2HP of front panel space. These kits can be used as right or left hand dividers.

Full width (2 x 3U)

There are two types of 84HP divider kits:

Type A contains normal front extrusions, with the 'eyebrow'

Type B uses a 'lipless' extrusion, which will permit the fitting of 6U flat front panels. (EMC panels would require modification to the channel section).

CONTENTS OF KIT

- Two front extrusions
- Divider plate (Not 84HP versions)
- Fixings

MATERIAL SPECIFICATION

- Extrusions : Aluminium alloy BS 1474 6063 T6
- Divider plate: 1,2mm aluminium BS 1470 5251-H22 (NS4H3)
- Finish : Alocrom 1000 or equivalent

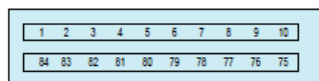
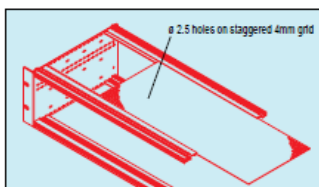
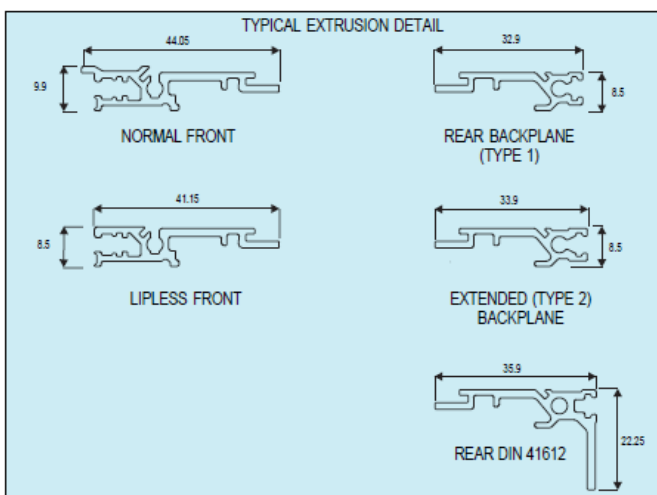
ORDER SEPARATELY

Tapped strips

DIVIDER KITS

Ordering information

Width (HP)	Types	Order code
24	Mixed	956-241336F
42	Mixed	956-241337D
60	Mixed	956-241338B
84	A	956-242870C
84	B	956-242871A



SELF ADHESIVE IDENTIFICATION LABELS

The extrusions of KM6-EC are unprinted. Where it is required to identify slot positions, self adhesive labels can be applied. The labels are printed 1 to 84

TAPPED STRIPS

Ordering information

Width (HP)	Order code
24	950-202799L

COVERS



The KM6-II covers shown on page 4.39 of the Handbook can be retrofitted and removed without disturbing the end plates.

A simple ventilated KM6-EC cover is also available. This cover slides between the front and rear extrusion, before fitting the second end plate, to protect the pcb area of EC subracks. The ventilation area is 35%.

Supplied singly

Material : 1mm perforated mild steel, zinc plate and passivated

Ordering information

Description	Order code
84HP 160mm ventilated cover	956-250292K 
84HP 220mm ventilated cover	956-250293H 

Ordering information

Description	Order code
Identification label (10 pairs)	956-245524G

TOOLKIT CAD PACKAGE

Similar to the KM6-II Toolkit CAD package, but for KM6-EC range of subracks. Available in IGES and DXF formats plus an Easy CAD2 designer version which includes the EasyCAD2 program.

The toolkit packages are supplied on 3.5" discs.

Ordering information

Description	Order code
D X F format	956-248818H
IGES format	956-248820K
Easy CAD 2 design version	956-248821H

EMC SCREENING



The 240mm and 360mm deep, 84hp versions of KM6-EC can be EMC screened by the addition of various components, some of which are KM6-II compatible. Please refer to P4.02 'A guide to the screening of subracks' for background information.

In order to screen overall a KM6-EC you will need an extrusion kit and rear closing angles that are KM6-EC specific; plus tapped strips, top and bottom covers, front and rear panels and EMC fingers from the KM6-II range.

CONTENTS OF KIT:

- Extrusion - two extrusions and fixings
- Rear closing angle - order singly
- Tapped strip - order singly

EMC SCREENING KIT Ordering information

Description	Order code
Extrusion kit 84hp	956-242870C 
Rear closing angle 3U	956-243237J 
Rear closing angle 6U	956-243238G 