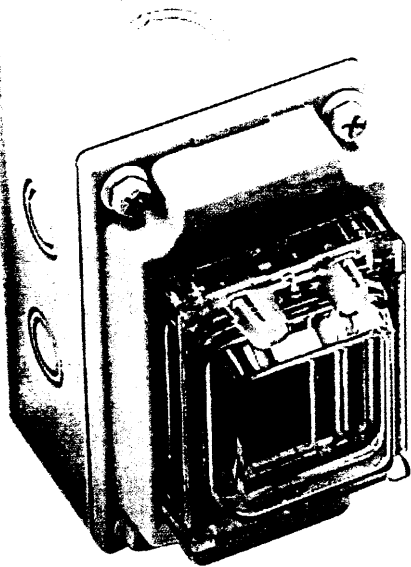Mini PG Module Enclosures are designed for use with din-rail mounted components. Four sizes are available for the mounting of equipment such as relays and timers etc. The enclosure is fitted with din-rail and inspection window as standard.

A new hinge assembly with hinges ready mounted on to enclosure covers for use with EK, Solid and Fex types. The cover hinges are ultra-sonically welded and so require no additional machining.
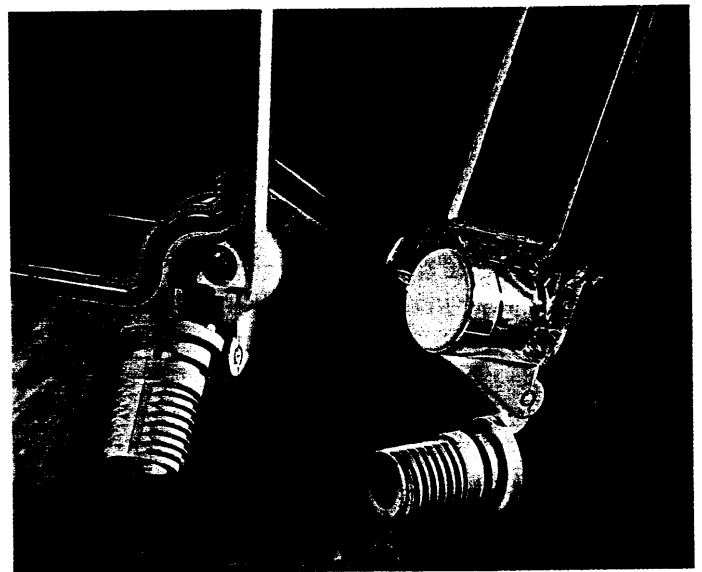
New generation Cardmaster Enclosures in polycarbonate IP65 or ABS IP54 versions. Improved design concepts include new hinge and locking device in stylish light blue colour and smoked grey transparent cover with textured sides. Cardmaster Enclosures are designed principally for use with instrumentation and electronic control units.
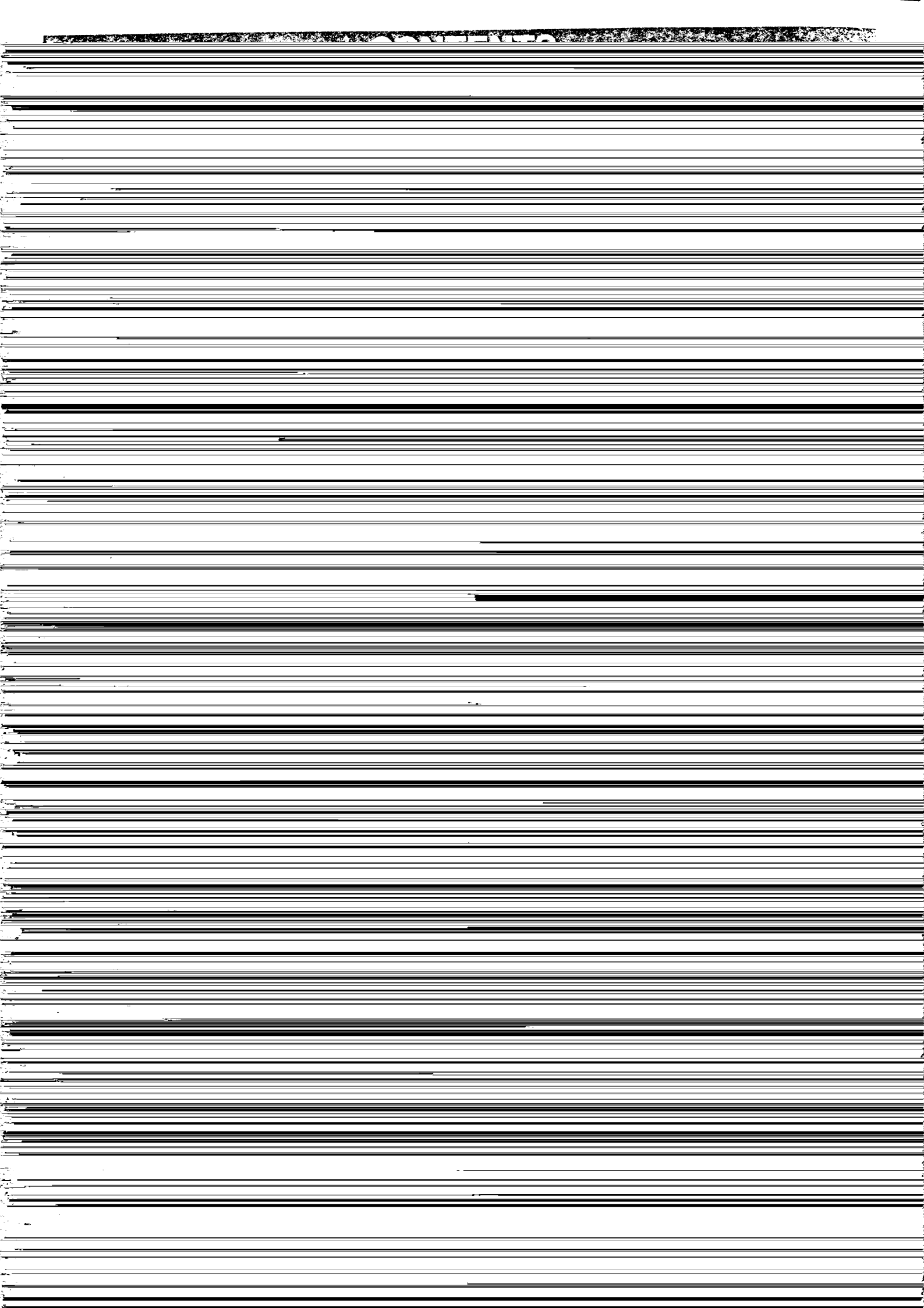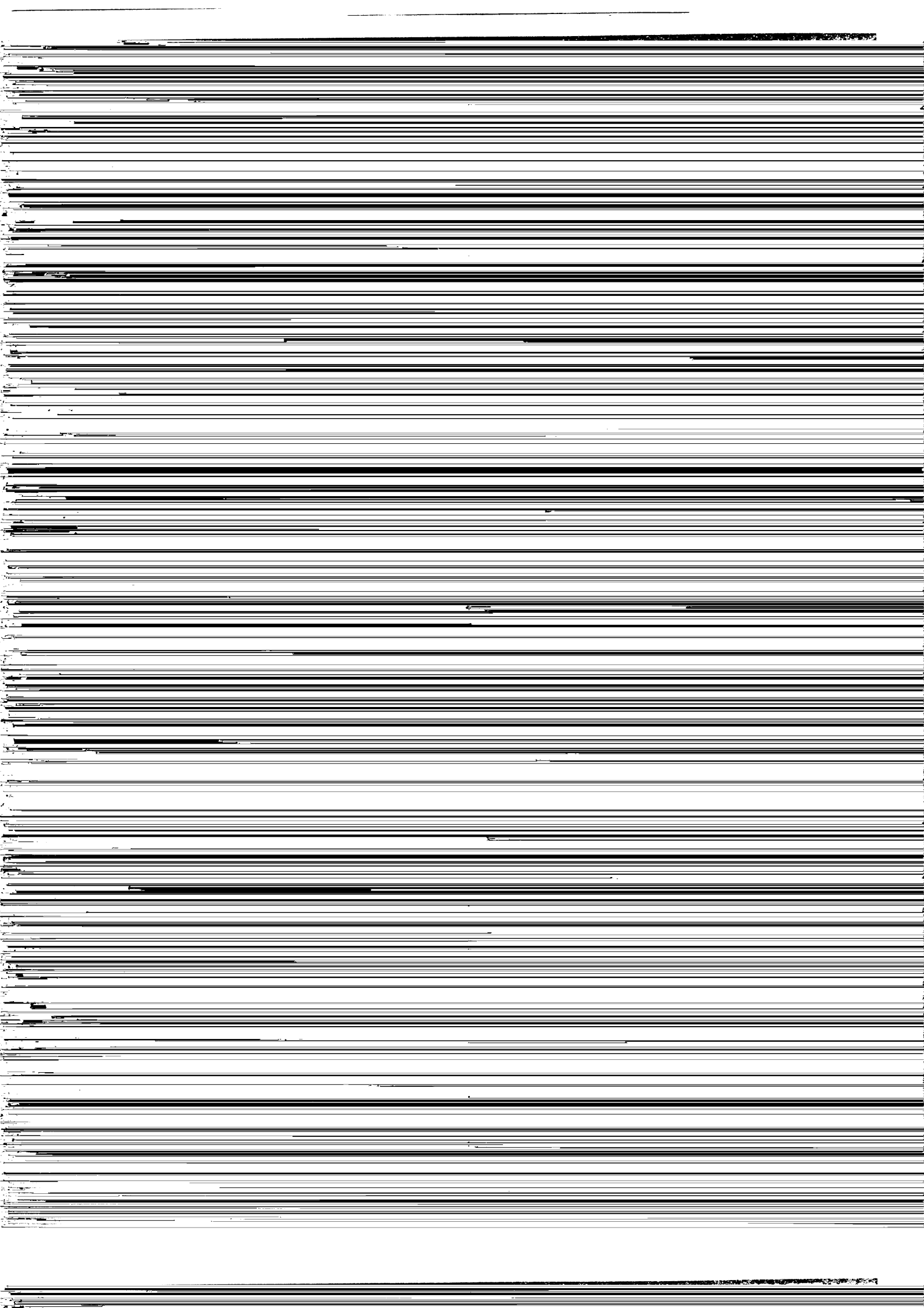
A series of ABS Hand Held and Din spec cases designed for the housing of many types of electrical and electronic components and devices. Versions include models with battery compartments, pocket clips, push buttons and plug in types with soldered contacts.

MINI POLYCARBONATE ENCLOSURES IP65 (A)

These enclosures come in five basic sizes, each with a choice of four different cover depths. The enclosure base has many internal mounting pods to suit different assembly plans. A wide range of accessories are available. Protection to IP65 rating keeps dust, damp and water firmly on the outside.

Ref.	Dimensions
MO 100/75	75 x 125 x 75
MO 100/100	75 x 125 x 100
MO 100/125	75 x 125 x 125
MO 125/75	125 x 125 x 75
MO 125/100	125 x 125 x 100
MO 125/125	125 x 125 x 125
MO 150/75	125 x 175 x 75
MO 150/100	125 x 175 x 100
MO 150/125	125 x 175 x 125
MO 150/150	125 x 175 x 150
MO 175/75	175 x 175 x 75
MO 175/100	175 x 175 x 100
MO 175/125	175 x 175 x 125
MO 175/150	175 x 175 x 150
MO 200/75	175 x 250 x 75
MO 200/100	175 x 250 x 100
MO 200/150	175 x 250 x 150

For grey lid suffix 'G' For clear lid suffix 'T'
Charcoal grey base with RAL 7035 grey lid.

MINI PG POLYCARBONATE ENCLOSURES IP67 (B)

Small to medium size impact-resistant enclosures made from polycarbonate, with a high protection rating of IP67. Enclosure sides have prepressed PG knockouts in various sizes.
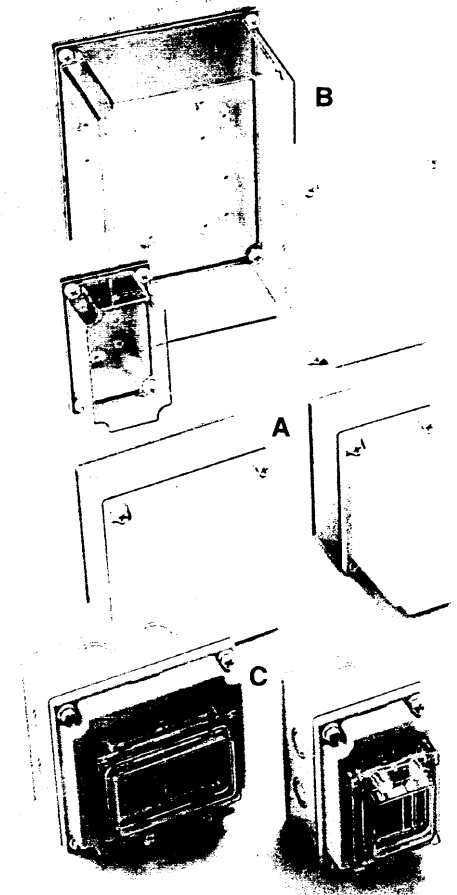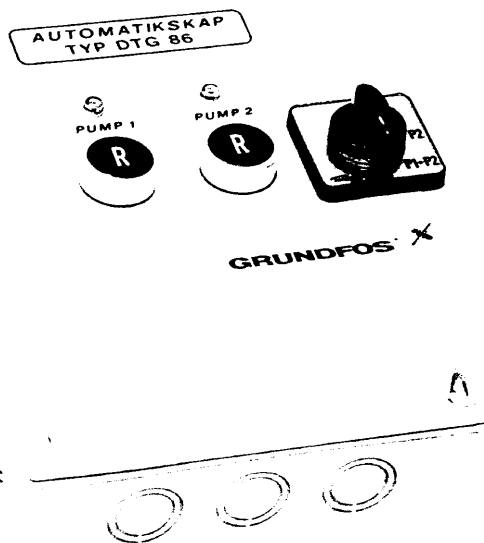
Ref.	Dimensions
MI 100/75	75 x 125 x 75
MI 100/100	75 x 125 x 100
MI 100/125	75 x 125 x 125
MI 125/75	125 x 125 x 75
MI 125/100	125 x 125 x 100
MI 125/125	125 x 125 x 125
MI 150/75	125 x 175 x 75
MI 150/100	125 x 175 x 100
MI 150/125	125 x 175 x 125
MI 150/150	125 x 175 x 150
MI 175/75	175 x 175 x 75
MI 175/100	175 x 175 x 100
MI 175/125	175 x 175 x 125
MI 175/150	175 x 175 x 150
MI 200/75	175 x 250 x 75
MI 200/100	175 x 250 x 100
MI 200/150	175 x 250 x 150

For grey lid suffix 'G' For clear lid suffix 'T'

MINI PG MODULE POLYCARBONATE ENCLOSURES IP54 (C)

Mini PG module enclosures are designed for use with DIN-Rail mounted components. Four sizes are available for the mounting of equipment such as relays and timers etc. The enclosure is fitted with DIN-Rail and inspection window as standard.

Ref.	Dimensions	Modules
MI100-L02	75 x 125 x 100	1-2
MI125-L04	125 x 125 x 100	2-4
MI150-L06	125 x 175 x 100	4-6
MI200-L10	175 x 250 x 100	8-10

MINI AND MINI PG ACCESSORIES

Ref.	Dimensions
Mounting Plate	
MIV 100	48 x 98 x 1.5
MIV 125	98 x 98 x 1.5
MIV 150	98 x 148 x 1.5
MIV 175	148 x 148 x 1.5
MIV 200	148 x 223 x 1.5

Mounting Rail
Symmetrical – 'Top Hat' Rail

MIV 5	DIN 46277/3 50mm
MIV 10	DIN 46277/3 100mm
MIV 15	DIN 46277/3 150mm
MIV 20	DIN 46277/3 225mm

Asymmetrical – 'G' Rail

MIV 4	DIN 46277/1 55mm
MIV 9	DIN 46277/1 105mm
MIV 14	DIN 46277/1 155mm
MIV 19	DIN 46277/1 230mm

GENERAL

FP 10674	Plastic Fastening Lugs
MB 14047	Hinges
SS 14027	Lid Screws
SB 14025	Sealed Bushes
PA 14047	Plastic Hinge Template
480	Adaptor PG 13.5 to 20mm
481	Adaptor PG 16 to 20mm

D

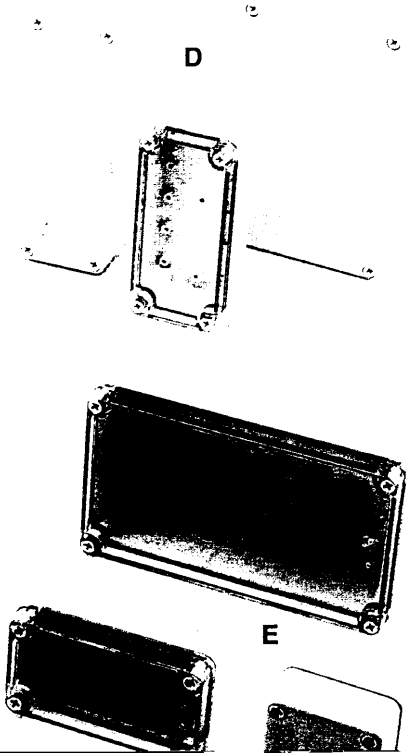## PICCOLO POLYCARBONATE ENCLOSURES IP67 (D)

A range of small enclosures for push buttons, terminal blocks, warning lights and other small applications. Made from impact-resistant polycarbonate.

Ref.	Dimensions
PCB65T	110 x 80 x 65
PCB65G	110 x 80 x 65
PCB85T	110 x 80 x 85
PCB85G	110 x 80 x 85
PCC65T	140 x 80 x 65
PCC65G	140 x 80 x 65
PCC85T	140 x 80 x 85
PCC85G	140 x 80 x 85
PCD65T	170 x 80 x 65
PCD65G	170 x 80 x 65
PCD85T	170 x 80 x 85
PCD85G	170 x 80 x 85
PCF65T	230 x 80 x 65
PCF65G	230 x 80 x 65
PCF85T	230 x 80 x 85
PCF85G	230 x 80 x 85
PCH95T	170 x 140 x 95

PICCOLO ABS ENCLOSURES IP67 (E)

A range of small enclosures for push buttons, terminal blocks, warning lights and other small applications. Made from ABS.

Ref.	Dimensions
ABSB65T	110 x 80 x 65
ABSB65G	110 x 80 x 65
ABSB85T	110 x 80 x 85
ABSB85G	110 x 80 x 85
ABSC65T	140 x 80 x 65
ABSC65G	140 x 80 x 65
ABSC85T	140 x 80 x 85
ABSC85G	140 x 80 x 85
ABSD65T	170 x 80 x 65
ABSD65G	170 x 80 x 65
ABSD85T	170 x 80 x 85
ABSD85G	170 x 80 x 85
ABSF65T	230 x 80 x 65
ABSF65G	230 x 80 x 65
ABSF85T	230 x 80 x 85
ABSF85G	230 x 80 x 85
ABSH95T	170 x 140 x 95
ABSH95G	170 x 140 x 95

E

EURONORM II POLYCARBONATE ENCLOSURES IP65 (A)

Small to medium size standard enclosures for housing of terminal blocks and other industrial components. These polycarbonate enclosures are suitable for applications where stylish lines, light weight and durability are called for.

Ref. GREY COVER	Dimensions
PC 050504	50 x 50 x 40
PC 050705	50 x 65 x 45
PC 080807	80 x 82 x 65
PC 081206	80 x 120 x 55
PC 081607	80 x 160 x 65
PC 081610	80 x 160 x 95
PC 121210	120 x 122 x 95
PC 121609	120 x 160 x 90
PC 122008	120 x 200 x 75
PC 152008	150 x 200 x 80
PC 162509	160 x 250 x 90
PC 162513	160 x 250 x 125
PC 233009	230 x 300 x 90
PC 233011	230 x 300 x 110

Mounting plates available on request.

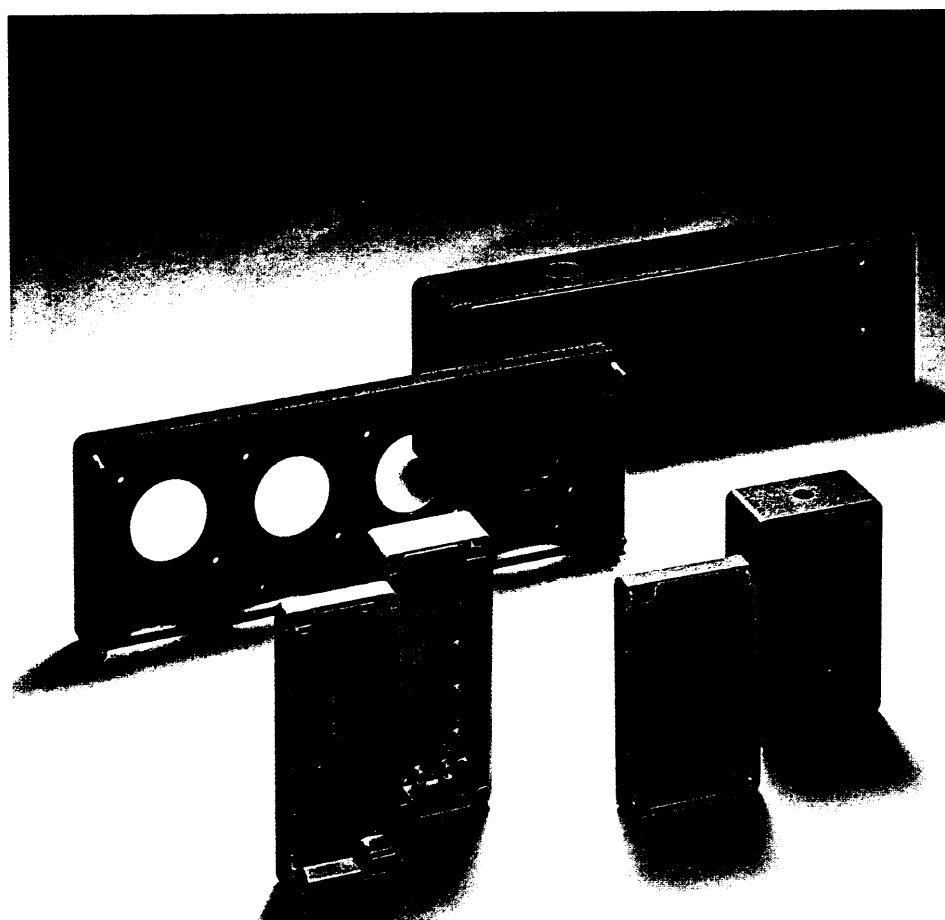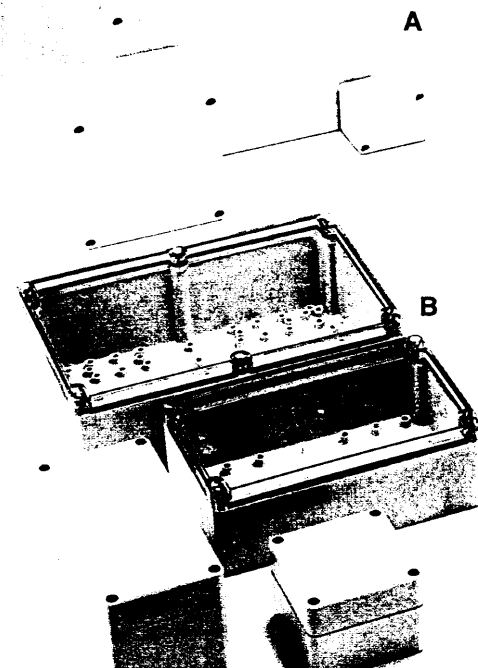## EURONORM II POLYCARBONATE ENCLOSURES IP65 (B)

Small to medium size standard enclosures for housing of terminal blocks and other industrial components. These polycarbonate enclosures are suitable for applications where stylish lines, light weight and durability are called for.

Ref. TRANSPARENT COVER	Dimensions
PCT 050705	50 x 65 x 45
PCT 080807	80 x 82 x 65
PCT 081206	80 x 120 x 55
PCT 081607	80 x 160 x 65
PCT 081610	80 x 160 x 95
PCT 121210	120 x 122 x 95
PCT 121609	120 x 160 x 90
PCT 122008	120 x 200 x 75
PCT 152008	150 x 200 x 80
PCT 162509	160 x 250 x 90
PCT 162513	160 x 250 x 125
PCT 233009	230 x 300 x 90
PCT 233011	230 x 300 x 110

Mounting plates available on request.

A

B

EURONORM II ABS ENCLOSURES IP65 (C)

Small to medium size standard enclosures for housing of terminal blocks and other industrial components.

Ref.	Dimensions
AB 050504	50 x 50 x 40
AB 050705	50 x 65 x 45
AB 080807	80 x 82 x 65
AB 081206	80 x 120 x 55
AB 081607	80 x 160 x 65
AB 081610	80 x 160 x 95
AB 121210	120 x 122 x 95
AB 121609	120 x 160 x 90
AB 122008	120 x 200 x 75
AB 152008	150 x 200 x 80
AB 162509	160 x 250 x 90
AB 162513	160 x 250 x 125
AB 233009	230 x 300 x 90
AB 233011	230 x 300 x 110

Mounting plates available on request.

POLYCARBONATE/ABS IP67

Medium to large size enclosures for housing electrical equipment in various environments. A choice of either impact-resistant polycarbonate material or ABS plastic. Protection classification for both types is IP67. A full range of accessories for these enclosures are listed on pages 14 and 15.

SOLID
PC 1919, ABS 1919
190 x 190   (A)

Complete enclosure with clear or grey 30mm lid and slotted lid screws.

Ref.	Description
PC191913T	190 x 190 x 130 c/w clear lid
PC191913G	190 x 190 x 130 c/w grey lid
ABS191913T	190 x 190 x 130 c/w clear lid
ABS191913G	190 x 190 x 130 c/w grey lid

SEPARATE ITEMS

Ref.	Description
PC1919	Polycarbonate base
ABS1919	ABS base
EKH30T	Clear lid polycarbonate 30mm
EKH30G	Grey lid polycarbonate 30mm
ABS1919G30	Grey lid ABS 30mm
EKH80T	Clear lid polycarbonate 80mm
EKH80G	Grey lid polycarbonate 80mm
ABS1919G80	Grey lid ABS 80mm
EKHVT	Mounting plate

SOLID
PC 2819, ABS 2819
280 x 190

Complete enclosure with clear or grey 30mm lid and slotted lid screws.

Ref.	Description
PC281913T	280 x 190 x 130 c/w clear lid
PC281913G	280 x 190 x 130 c/w grey lid
ABS281913T	280 x 190 x 130 c/w clear lid
ABS281913G	280 x 190 x 130 c/w grey lid

SEPARATE ITEMS

Ref.	Description
PC2819	Polycarbonate base
ABS2819	ABS base
EKJ30T	Clear lid polycarbonate 30mm
EKJ30G	Grey lid polycarbonate 30mm
ABS2819G30	Grey lid ABS 30mm
EKJ80T	Clear lid polycarbonate 80mm
EKJ80G	Grey lid polycarbonate 80mm
ABS2819G80	Grey lid ABS 80mm
EKJVT	Mounting plate
EKJZR	Extension frame 50mm

SOLID
PC 3819, ABS 3819
380 x 190

Complete enclosure with clear or grey 30mm lid and slotted lid screws.

Ref.	Description
PC381913T	380 x 190 x 130 c/w clear lid
PC381913G	380 x 190 x 130 c/w grey lid
ABS381913T	380 x 190 x 130 c/w clear lid
ABS381913G	380 x 190 x 130 c/w grey lid

SEPARATE ITEMS

Ref.	Description
PC3819	Polycarbonate base
ABS3819	ABS base
EKM30T	Clear lid polycarbonate 30mm
EKM30G	Grey lid polycarbonate 30mm
ABS3819G30	Grey lid ABS 30mm
EKM80T	Clear lid polycarbonate 80mm
EKM80G	Grey lid polycarbonate 80mm
ABS3819G80	Grey lid ABS 80mm
EKMVT	Mounting plate
EKMZR	Extension frame 50mm

SOLID
PC 2828, ABS 2828
280 x 280   (B)

Complete enclosure with clear or grey 30mm lid and slotted lid screws.

Ref.	Description
PC282813T	280 x 280 x 130 c/w clear lid
PC282813G	280 x 280 x 130 c/w grey lid
ABS282813T	280 x 280 x 130 c/w clear lid
ABS282813G	280 x 280 x 130 c/w grey lid

SEPARATE ITEMS

Ref.	Description
PC2828	Polycarbonate base
ABS2828	ABS base
EK030T	Clear lid polycarbonate 30mm
EK030G	Grey lid polycarbonate 30mm
ABS2828G30	Grey lid ABS 30mm
EK080T	Clear lid polycarbonate 80mm
EK080G	Grey lid polycarbonate 80mm
ABS2828G80	Grey lid ABS 80mm
EKOVT	Mounting plate
EKOZR	Extension frame 50mm

SOLID
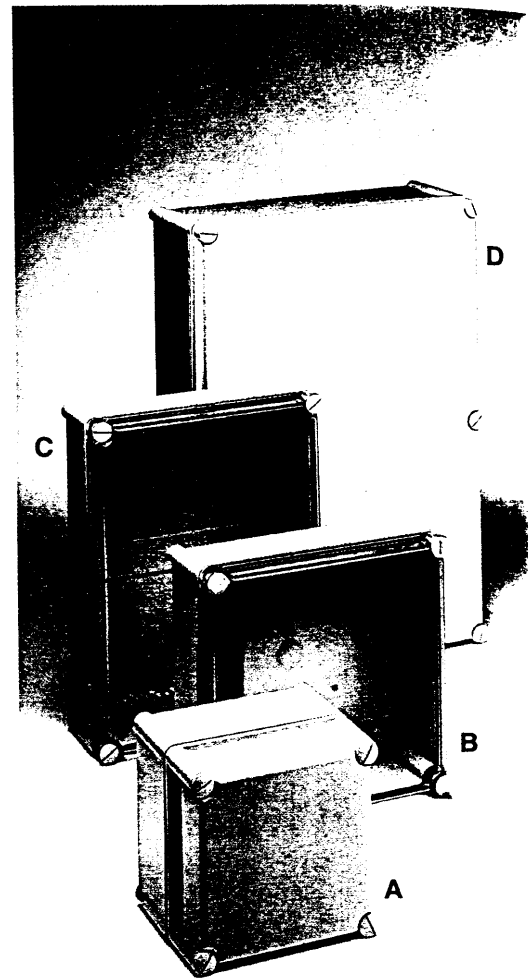### PC 3828, ABS 3828
380 x 280   (C)

Complete enclosure with clear or grey 30mm lid and slotted lid screws.

Ref.	Description
PC382813T	380 x 280 x 130 c/w clear lid
PC382813G	380 x 280 x 130 c/w grey lid
ABS382813T	380 x 280 x 130 c/w clear lid
ABS382813G	380 x 280 x 130 c/w grey lid

SEPARATE ITEMS

Ref.	Description
PC3828	Polycarbonate base
ABS3828	ABS base
EKP30T	Clear lid polycarbonate 30mm
EKP30G	Grey lid polycarbonate 30mm
ABS3828G30	Grey lid ABS 30mm
EKP80T	Clear lid polycarbonate 80mm
EKP80G	Grey lid polycarbonate 80mm
ABS3828G80	Grey lid ABS 80mm
EKPVT	Mounting plate
EKPZR	Extension frame 50mm

EK

POLYCARBONATE

EK-U
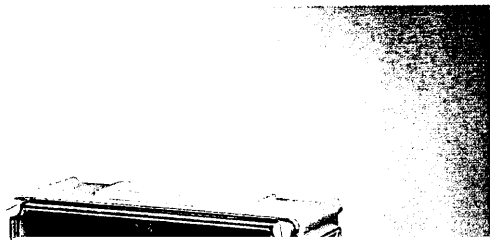
EK-WH

A range of accessories for use with the Solid and EK range enclosures listed on previous pages.

COVER SCREWS AND ACCESSORIES (A)

Ref.	Description
FOR 30mm COVER	
SS10256	Slotted head
HS10255	Wing head
DS10581	Triangle head
SS10535	Slotted head, sealable
SS10544	Slotted head, quick-lock*
HS10533	Wing head, quick-lock*
HS10532	Wing head, hinged*
MB10534	*Threaded bush (needs to be ordered separately with quick-lock screws)
FOR 80mm COVER	
SS10563	Slotted head
HS10562	Wing head
DS10581	Triangle head
FA10673	Triangular key

SPACERS (B)

Ref.	Height mm	Description
MR10726	15	To be mounted onto corner pods
MR10727	20	To be mounted onto corner pods
MR10728	30	To be mounted onto corner pods
FA12052	42	To be mounted onto fastening pods
FA12053	14	To be mounted onto fastening pods
MB 10686	15/34	Set of 2 spacers + screws. To be mounted onto fastening pods. For DIN-rails

INSPECTION WINDOWS AND ACCESSORIES (C)

Ref.	Description
INSPECTION WINDOWS	
L13	257 x 108 for 13 modules IP65
L12	248 x 128 IP65
L24	248 x 218 IP65
L02	60 x 77 for 2 modules, IP54
L04	96 x 77 for 4 modules, IP54
L06	130 x 77 for 6 modules, IP54
L08	162 x 77 for 8 modules, IP54
L10	199 x 77 for 10 modules, IP54

Drill and saw templates included.

FRONT PLATES FOR WINDOWS L12 AND L24

B12/1062-1-45	For L12 window, 12 modules
B24/1062-0-45	For L24 window, 12 x 2 modules

SOLID AND EK HINGE COVER IP65

New hinge assembly, ready mounted on enclosure covers for use with EK, Solid and FEX types.
The cover hinges are ultra-sonically welded thus require no additional machining.

| Ref.	Dimensions
POLYCARBONATE COVERS (30mm)	
EKJ30HC	280 x 190
EKM30HC	380 x 190
EKO30HC	280 x 280
EKP30HC	380 x 280
EKT30HC	560 x 280
EKU30HC	560 x 380
POLYCARBONATE COVERS (80mm)	
EKJ80HC	280 x 190
EKM80HC	380 x 190
EKO80HC	280 x 280
EKP80HC	380 x 280
ABS COVERS (30mm)	
ABS281930HC	280 x 190
ABS381930HC	380 x 190
ABS282830HC	280 x 280
ABS382830HC	380 x 280
ABS COVERS (80mm)	
ABS281980HC	280 x 190
ABS381980HC	380 x 190
ABS282880HC	280 x 280
ABS382880HC	380 x 280

For polycarbonate clear cover suffix T.
For polycarbonate grey cover suffix G.
ABS covers only available in grey.
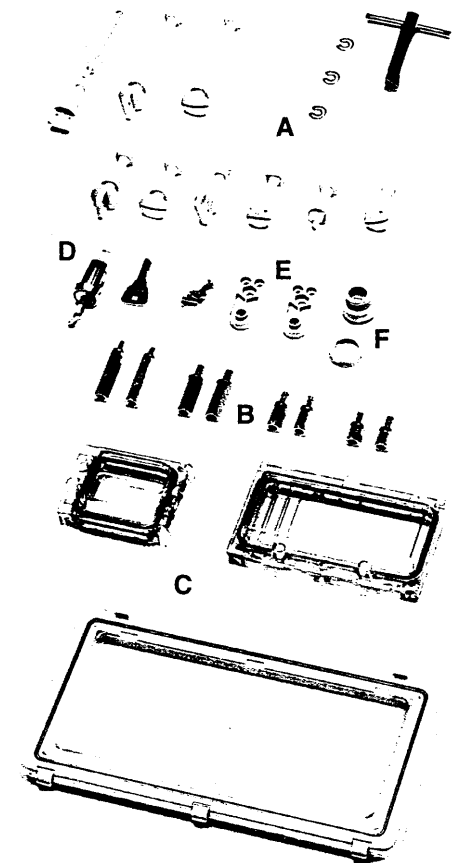
LOCK (D)

Ref.	Description
MB 10597	One lock, two keys

MOUNTING LUGS (E)

Ref.	Description
MB 10674	Set of 4

VENTILATION DEVICE (F)

Ref.	Description
MB 10564	Large IP 44
MB 10631	Small IP 33

Medium to large size enclosures made of impact-resistant polycarbonate. Available either with closed sides or with flange openings. A large selection of standard flange plates allows for all types of cabling.

EKI-23
200 x 300 **(A)**

Enclosure sold as separates as follows:

Ref.	Description
EKI 23-0	Base, plain
EKI 23-2	Base, two flange openings
EKI 23-4	Base, four flange openings
EKI 23/40T	Clear lid, 40mm
EKI 23/40G	Grey lid, 40mm
EKIV 23	Mounting plate

EKI-33
300 x 300 **(C)**

Enclosure sold as separates as follows:

Ref.	Description
EKI 33-0	Base, plain
EKI 33-2	Base, two flange openings
EKI 33-4	Base, four flange openings
EKI 33/40T	Clear lid, 40mm
EKI 33/40G	Grey lid, 40mm
EKIV 33	Mounting plate

EKI-43
400 x 300 **(B)**

Enclosure sold as separates as follows:

Ref.	Description
EKI 43-0	Base, plain
EKI 43-2	Base, four flange openings
EKI 43-4	Base, six flange openings
EKI 43/40T	Clear lid, 40mm
EKI 43/40G	Grey lid, 40mm
EKI 43/100T	Clear lid, 100mm
EKI 43/100G	Grey lid, 100mm
EKIV 43	Mounting plate

EKI-63
600 x 300 **(D)**

Enclosure sold as separates as follows:

Ref.	Description
EKI 63-0	Base, plain
EKI 63-2	Base, two flange openings
EKI 63-4	Base, six flange openings
EKI 63/40T	Clear lid, 40mm
EKI 63/40G	Grey lid, 40mm
EKIV 63	Mounting plate* *Also requires 6 x FA12053
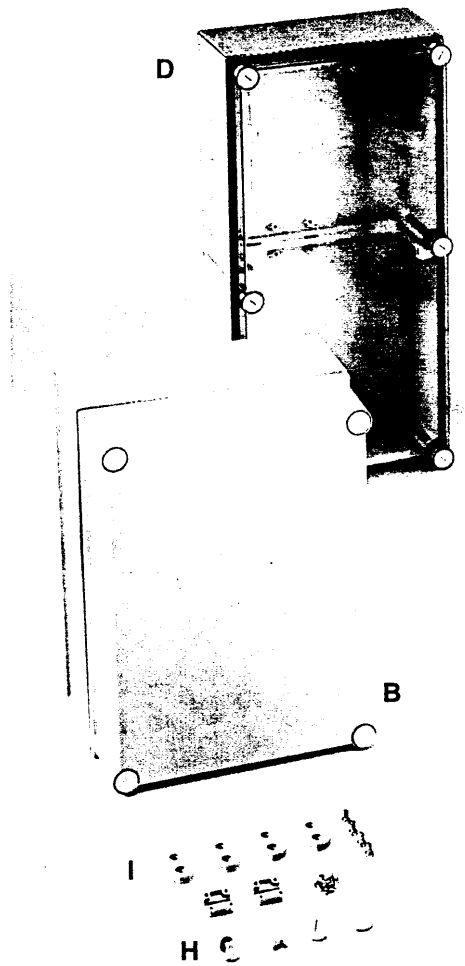
EKI-64
600 x 400 **(E)**

Enclosure sold as separates as follows:

Ref.	Description
EKI 64-0	Base, plain
EKI 64-2	Base, four flange openings
EKI 64-4	Base, eight flange openings
EKI 64/40T	Clear lid, 40mm
EKI 64/40G	Grey lid, 40mm
EKI 64/100T	Clear lid, 100mm
EKI 64/100G	Grey lid, 100mm
EKIV 64	Mounting plate* * Also Requires 6 x FA12053
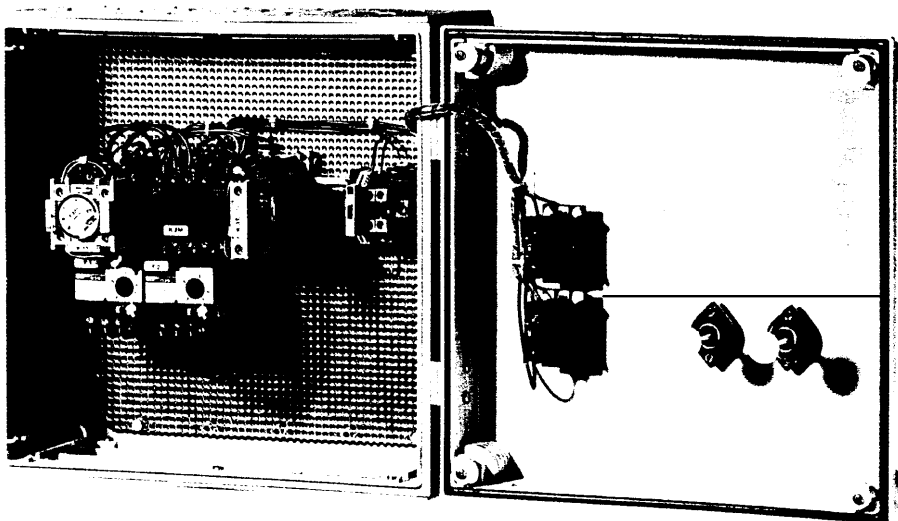
POLYCARBONATE/ABS

CARDMASTER 19"
CM 24X
135 x 246 x 62

Polycarbonate enclosures for 19" standard
printed circuit cards (100 x 160mm Europe
cards). Ideally suited for electronic machine
and process control units.

Ref.	Description
CM 24X	Cardmaster flat
CM 101	Hinge set for cover

CARDMASTER 19"
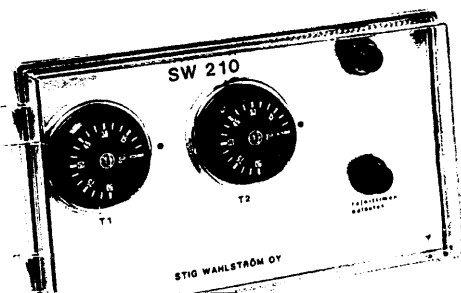### CM 24
135 x 246 x 251   (A)

Polycarbonate enclosures for 19" standard
printed circuit cards (100 x 160mm Europe
cards). Ideally suited for electronic machine
and process control units.

Ref.	Description
CM 24	With smooth sides
CM 24V	With ventilation slots
CM 24H	With hinged cover
CM 24C	With 3 x PG11 cable glands
CM 24HCV	With slots, glands and hinges
CM 100	One pair of card guides, 8TE
CM 101	Hinge set for cover
PA 22039	Hinge set for middle part
CM 114	Alu card panel 4TE
CM 116	Alu card panel 6TE
CM 118	Alu card panel 8TE

CARDMASTER 19"
### CM 40
220 x 231 x 222   (B)

Polycarbonate enclosures for 19" standard
printed circuit cards (100 x 160mm Europe
cards). Ideally suited for electronic machine
and process control units.

Ref.	Description
CM 40	With smooth sides
CM 40V	With ventilation slots
CM 104	One pair of card guides, 4TE
CM 101	Hinge set for cover
PA 22039	Hinge set for middle part
CM 114	Alu card panel, 4TE
CM 116	Alu card panel, 6TE
CM 118	Alu card panel, 8TE
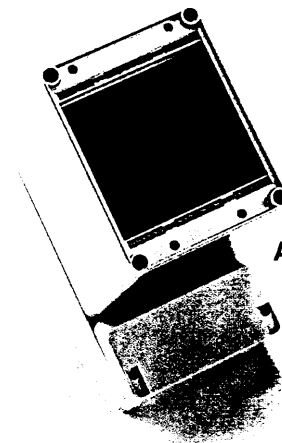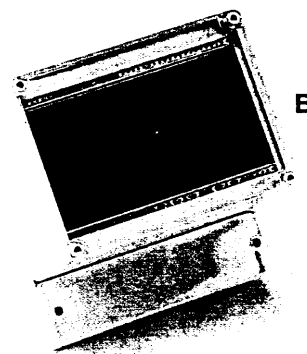
CARDMASTER
21/18
213 x 185 x 113

Polycarbonate and ABS enclosures to IP65
and IP54 for instrumentation and electronic
control units IP54.

Ref.	Description
PC 21/18-0	Polycarbonate IP65 less plate
PC 21/18-1	Polycarbonate IP65 c/w plate
ABS 21/18-0	ABS IP54 less plate
ABS 21/18-1	ABS IP54 c/w plate
MP 21/18	Mounting plate
FP 21/18	Front plate
(ABS special order only)	

CARDMASTER

296 x 256 x 118   (C)

Polycarbonate and ABS enclosures to IP65
and IP54 for instrumentation and electronic
control units.

Ref.	Description
PC 30/25-0	Polycarbonate IP65 less plate
PC 30/25-1	Polycarbonate IP65 c/w plate
ABS 30/25-0	ABS IP54 less plate
ABS 30/25-1	ABS IP54 c/w plate
MP 30/25	Mounting plate
FP 30/25	Front plate
(ABS special order only)	
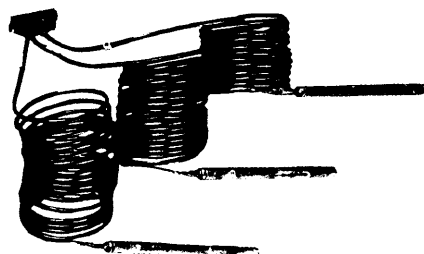
MODEL PP-2 (A)

Assembly by clip

Ref.	Colour
PP-2B	Black
PP-2I	Ivory

Dimensions – 153 x 73 x 43

MODEL GP-3

Assembly by four screws

Ref.	Colour
GP-3B	Black
GP-3I	Ivory
GP-3AN	Aluminium Top

Dimensions – 170 x 93 x 52

MODEL PP-4A (D)

Assembly by one screw

Ref.	Colour
PP-4AB	Black
PP-4AR	Red
PP-4AI	Ivory
PP-4ABE	Beige

Dimensions – 121 x 56 x 31

MODEL PP-9 (B)

Assembly by one screw

Ref.	Colour
PP-9B	Black
PP-9R	Red
PP-9I	Ivory
PP-9BE	Beige

Dimensions – 121 x 56 x 42

MODEL PP-10 (C)

DIN 43700 Noryl GFN2-SE1 auto
extinguishing, superior cover in plexiglass.

Ref.	Colour
PP-10B	Black

Dimensions – 96 x 48 x 90

MODEL PP-11 (E)

DIN 43700 Noryl GFN2-SE1 auto
extinguishing, superior cover in plexiglass.

Ref.	Colour
PP-11B	Black

Dimensions – 96 x 48 x 134
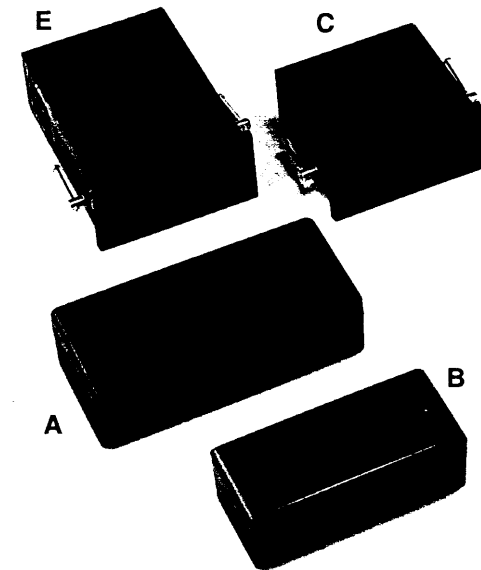
MODEL PP-15 (F)

DIN 43700 Noryl GFN2-SE1 auto
extinguishing, superior cover in plexiglass.

Ref.	Colour
PP15-B	Black
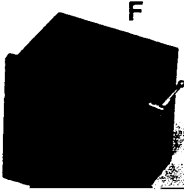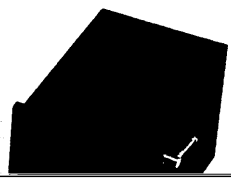
MODEL PP-22   (I)   MODEL PP-40   (L)

F

G

EX ENCLOSURES

B
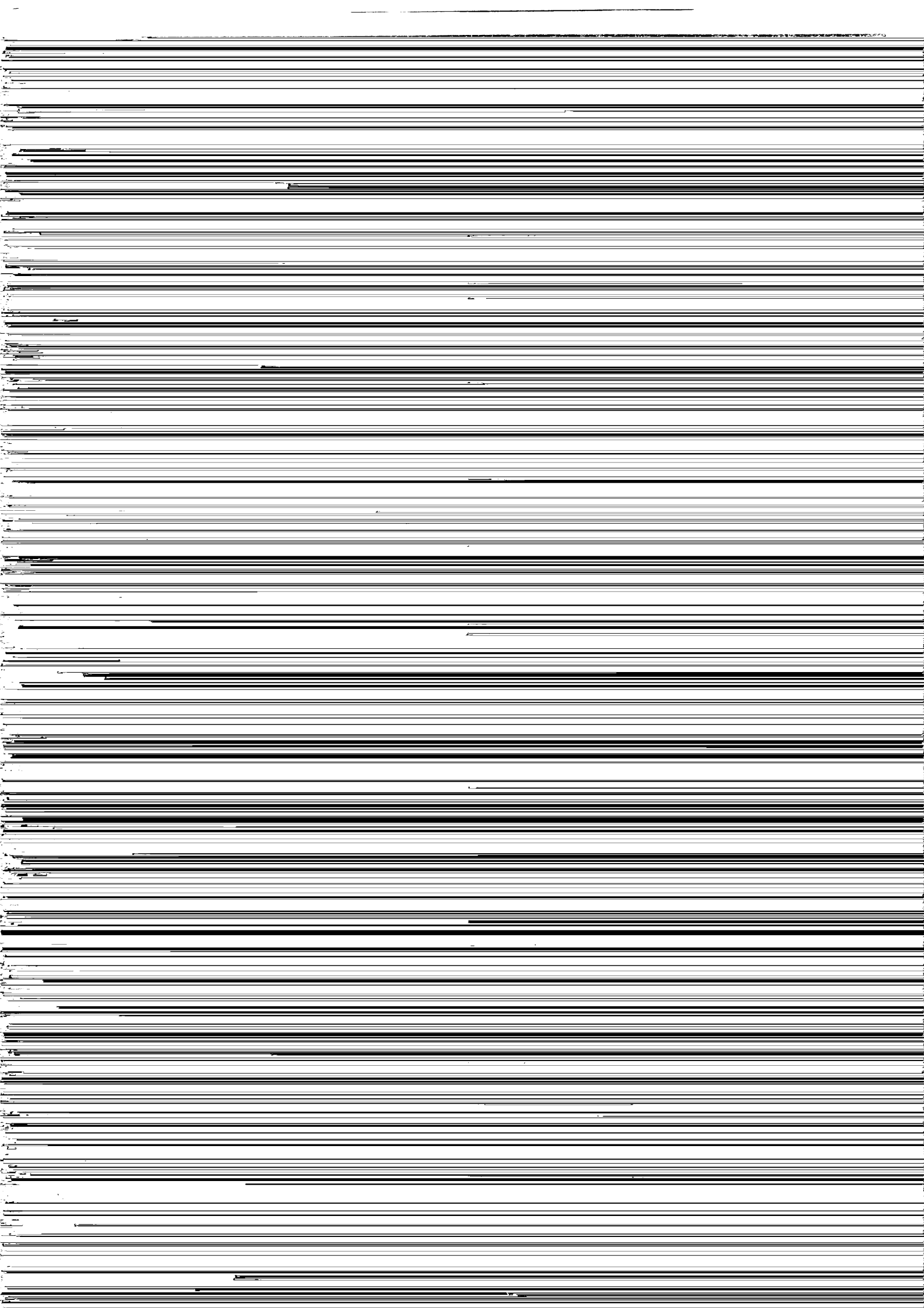
WIRING DUCT

F130 OPEN SLOT WIRING DUCTS (BASE + COVER) (A)

By virtue of the size of the range, the F130 system represents the most complete ducting system around. An array of 6 heights and 10 widths represents a total of 39 sections. The F130 also possesses a number of unique features.

Ref.	W x H	Pack Qty (Mtrs)	Minimum Purchase (Mtrs)
21031	15 x 25	64	2
21032	25 x 25	48	2
21005	30 x 33	24	2
21002	20 x 42	32	2
21006	30 x 42	24	2
21012	43 x 42	16	2
21015	60 x 42	16	2
21003	20 x 60	32	2
21007	30 x 60	52	2
21013	43 x 60	40	2
21016	60 x 60	24	2
21020	80 x 60	24	2
21033	100 x 60	20	2
21024	120 x 60	16	2
21008	30 x 80	40	2
21014	43 x 80	32	2
21017	60 x 80	24	2
21021	80 x 80	12	2
21034	100 x 80	12	2
21025	120 x 80	12	2
21018	60 x 100	20	2
21022	100 x 100	8	2
21035	150 x 100	8	2

Covers only for above ducting are available, information on request.

ALSO AVAILABLE-
F 130 BSI for intrinsic safety halogen free wiring ducts.

A135 CLOSED SLOT WIRING DUCTS (BASE + COVER) (B)

In addition to the increased rigidity inherent to this type of ducting, the A135 offers by virtue of its innovating design, remarkable cabling performance coupled with a unique appearance.

Ref.	W x H	Pack Qty (Mtrs)	Minimum Purchase (Mtrs)
23003	30 x 42	24	2
23008	43 x 42	16	2
23011	60 x 42	16	2
23004	30 x 60	52	2
23009	43 x 60	40	2
23012	60 x 60	24	2
23016	80 x 60	24	2
23020	120 x 60	16	2
23005	30 x 80	40	2
23010	43 x 80	32	2
23013	60 x 80	24	2
23017	80 x 80	12	2
23021	120 x 80	12	2
23014	60 x 100	20	2
23018	100 x 100	8	2
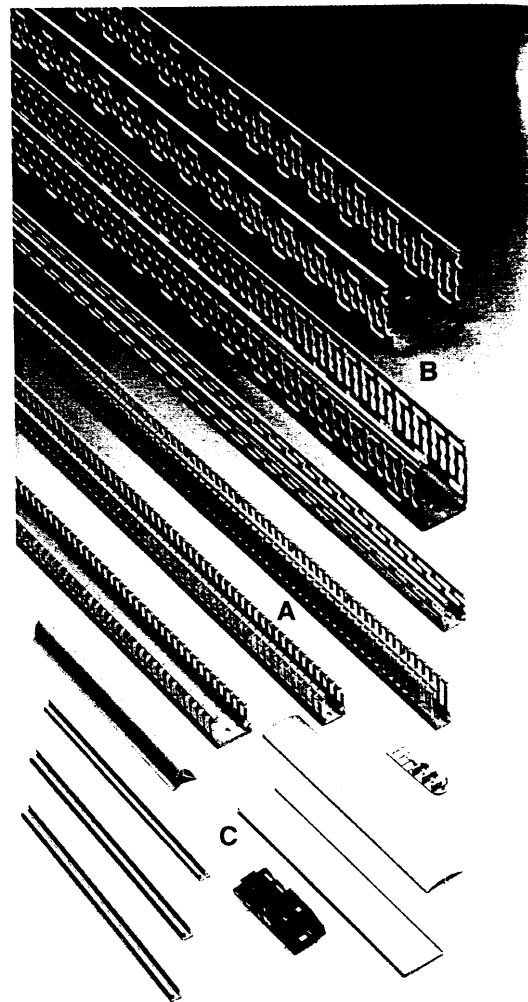
WIRING DUCT ACCESSORIES (C)

Accessories for use on cable ducting.

Ref.	Description	Pack Qty
FIXING ACCESSORIES		
25023	On Rail Type	50
25024	On Plate Type	50
25025	On Door Type	30
25034	For raised stanchions	10
25015	Plastic Rivet – Hole Size 4mm	500
25016	Plastic Rivet – Hole Size 6mm	500
25017	Rivet Plast – Hole Size 4mm	500
25018	Rivet Plast – Hole Size 6mm	500
12044	Wattocol Glue	1
INSTALLATION ACCESSORIES		
25013	Angle Connector, 2mtrs*	100
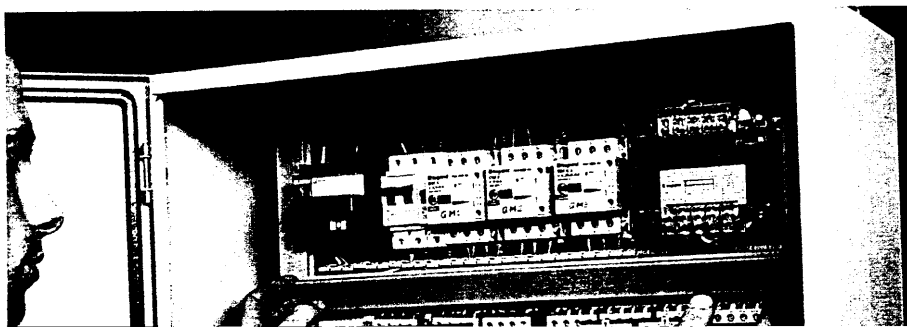
DIN RAIL, SPIRAL SLEEVE AND CABLE TIES

DIN RAIL & ACCESSORIES (D)

Asymmetric (G Rail) and symmetric (Top Hat) types, plus accessories.

Ref.	Description
TS32	Plain 'G Rail', 2 mtrs length
TS32S	Slotted 'G Rail', 2 mtrs length
TS35	Plain 'Top Hat', 2 mtrs length
TS35S	Slotted 'Top Hat', 2 mtrs length
TS35H	Heavy Duty, 15mm Depth TS35 2 mtrs length
TS15	Slotted 'Top Hat' for mounting micro terminals, 2 mtrs length
TSSM6	Angled support bracket for installation of mounting rails at an angle of 30° with M6 screws

Other types of rail available on request.

SPIRAL SLEEVE

Spiral Sleeving designed to protect and gather wire harnesses.

Ref.	Description
FLAME RETARDANT POLYETHYLENE	
25000	TS6 (25 mtrs roll)
25002	TS12 (25 mtrs roll)
TRANSLUCENT POLYETHYLENE	
25001	TSR6 (25 mtrs roll)
25003	TSR12 (25 mtrs roll)
25027	TSR22 (25 mtrs roll)

D

E
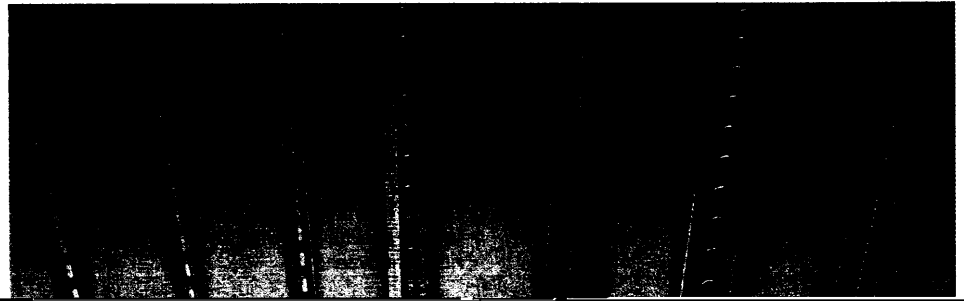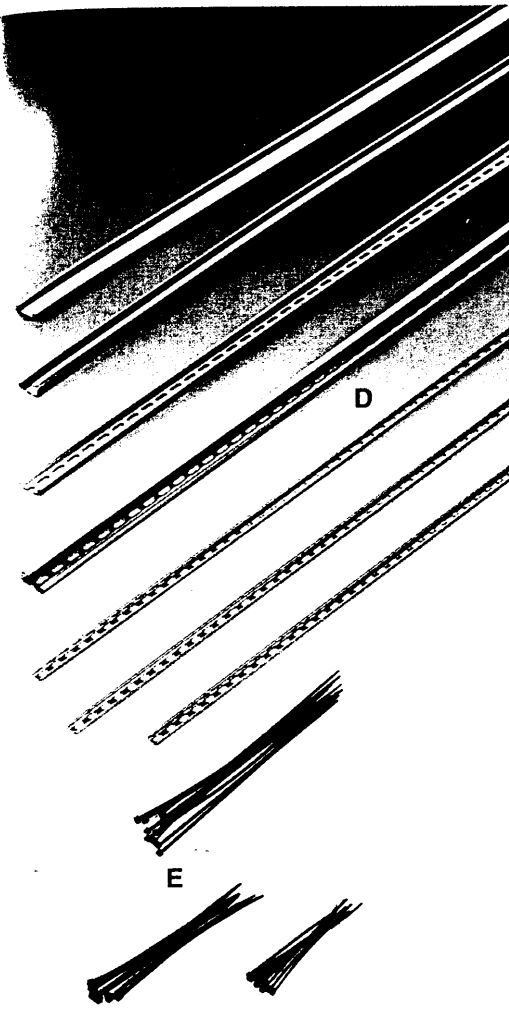
PLASTIC MOULDED HANDLES (A)

A modern industrial design for today's tough environments. This range is extremely resistant to torsion and is easy to grip. It is manufactured from solid thermoplastic PA6 glass bead reinforced, and is available in matt black with attractive fine grain structure. The handles have a stress capacity of 100kP.

Ref.	Fixing Centres	Screw Size	Overall Length
PMH1	100	M5 x 22	122
PMH2	120	M6 x 25	146
PMH3	140	M8 x 30	170
PMH4	160	M8 x 35	194
PMH5	180	M10 x 40	218

BRIDGE HANDLES (B)

A range of attractive, competitively priced handles which combine toughness with modern styling. They are manufactured from glass reinforced nylon to satisfy the most arduous industrial applications, and are available in black as standard. They are light and comfortable to use. There are two types: Type 1 has smooth clearance hole; Type 2 has brass threaded inserts.

Ref.	Overall Length	Fixing Centres
Size 1		
BH1	110	94
BH2	139	117
BH3	139	120
BH4	151	132
Size 2		
BH5	110	94
BH6	139	120
BH7	151	132

RACK HANDLES (C)

This range of handles is specifically designed for front panels and all 19" applications, with the fixing centres matching height of panels and racks.
The cross rail on the handles is made from solid aluminium and the arms of black glass reinforced polyamide. The handle is assembled by bolting on from the front through the cross

TRAY AND CARRYING HANDLES (Aluminium) (D)

This tray handle is particularly suitable for adaptation to most space and design requirements. Rubber inserts for tight fitting mean that screws are not required, though positions for two M4 screws are available as a mounting aid in Type 2 of the handle. Screws and washers supplied as standards. Colour: silver grip with black tray.

Ref.	Length	Height
Size 1		
TCH1	100	90
TCH2	118	90
TCH3	167	90
Size 2		
TCH4	100	90
TCH5	118	90
TCH6	167	90

STEEL HANDLE (E)

A high quality handle with a ground and chrome plated finish. A concealed spring locks the grip in both open and closed positions. Useful for instrument cases where a collapsible handle is required. Supplied complete with M10 nuts and washers.

Ref.	Fixing Centres	Overall Length
SH1	100	118
SH2	120	138

PULL OUT CARRYING HANDLE (F)

A very high specification black carrying handle manufactured from soft plastic and spring loaded; the end caps are nickel plated steel.

Ref.	Fixing Centres	Overall Length
PCH1	187	223

STRAP HANDLES (G)

This range has a soft black PVC grip with spring steel core. The end caps are nickel
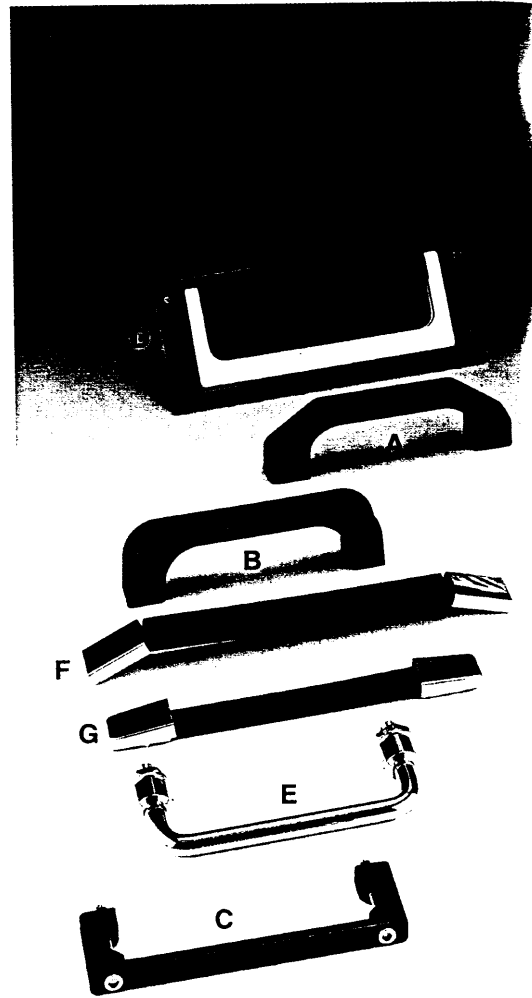
OVAL CROSS SECTION HANDLE

A high quality aluminium handle with a comfortable grip. The handle is manufactured from an oval aluminium rod which is then bent. The handle has a black or silver anodized finish. Screws and washers are supplied as standard, size M5 x 12.

Ref.	Fixing Centres	Overall Length
BLACK		
OCSB1	55	63
OCSB2	88	96
OCSB3	120	128
OCSB4	100	108
OCSB5	180	188
OCSB6	235	243
OCSB7	200	208
OCSB8	235	258
SILVER		

SELF ADHESIVE FEET, GROMMET STRIP, EARTH STRAPS, PAINT, DOCUMENT HOLDERS
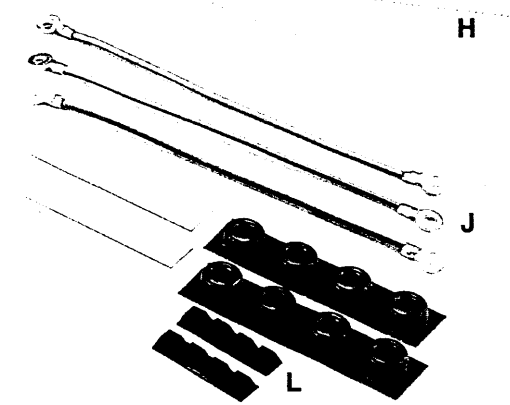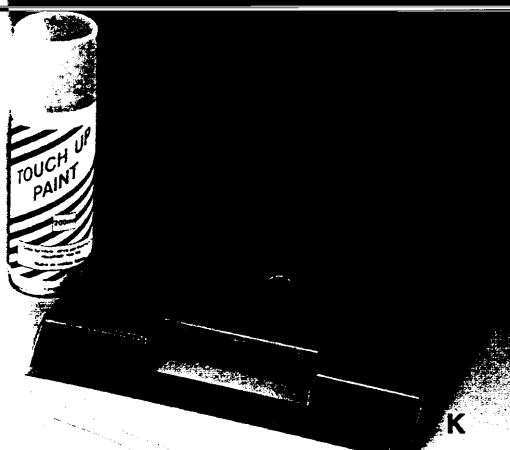
MOULDED GROMMET STRIP (H)

Natural nylon grommet strip secures firmly to panels, protecting wire and cable. Complies with MIL spec standards.

Ref.	Approx length (mm)	For sheet thickness (mm)
MGS1	322	0.4/1.3
MGS2	322	1.3/2.2
MGS3	322	2.2/3.3

ENCLOSURE EARTH STRAPS (J)

Earthing straps for use on steel enclosures for bonding of body to door etc. M8 stud size.

Ref.	Cable Size (mm)	Cable Length (mm)
AZ1220	4	170
AZ1221	16	170
AZ1222	25	170
AZ1223	4	300
AZ1224	16	300
AZ1225	25	300

STEEL ENCLOSURE PAINT (I)

Touch up paint for use on steel enclosure body and door to RAL 7032 or mounting plate RAL 2000. 200ml can .

Ref.	Description
TS6902	RAL 7032 grey
TS6900	RAL 2000 orange

ENCLOSURE DOCUMENT HOLDERS (K)

Moulded document holders in both A4 and A5 format for mounting inside the door. Used for carrying important information, wiring diagrams etc appertaining to equipment mounted inside the enclosure.
Just peel off self adhesive strips and press into place.

Ref.	Description
AZ3604	A4 document holder
AZ3603	A5 document holder

SELF ADHESIVE ENCLOSURE FEET (L)

Self adhesive polyurethane feet for use on the majority of the Briticent insulated enclosure range. The feet will stick to most smooth dry surfaces.

Ref.	Colour	Height	Base	Type
Style 1 (square)				
SAFS1	Black	2.54	10.40	Square
SAFS2	Black	3.10	12.70	Square
SAFS3	Black	5.56	12.70	Square
SAFS4	White	7.54	20.60	Square
Style 2 (dome)				
SAFD1	Trans	5.00	11.10 dia	Dome
SAFD2	Black	5.00	11.10 dia	Dome
SAFD3	White	8.30	16.00 dia	Dome
SAFD4	Black	9.53	19.05 dia	Dome
Style 3 (flat dome)				
SAFFD1	Black	2.50	8.00 dia	Flat Dome
SAFFD2	Trans	3.50	12.70 dia	Flat Dome
SAFFD3	Black	3.57	12.70 dia	Flat Dome
Style 4 (round)				
SAFR1	Grey	10.10	22.30 dia	Round

CABLE GLANDS AND ACCESSORIES

CABLE GLANDS POLYSTYROL IP54 (A)

Cable glands for light duty application with soft rubber gasket.

Ref.	Type	Seal Range Min-Max mm
50100	PG7	3.5-6
50101	PG9	4.5-7
50102	PG11	6-9
50103	PG13,5	9-12
50104	PG16	11-14
50105	PG21	14-18
50106	PG29	18-25
50107	PG36	25-32
50108	PG42	30-38
50109	PG48	38-44
50119	M20	6-9
50120	M20	9-12
50122	M25	14-18

CABLE GLANDS NYLON IP65 (B)

High Specification Cable Glands

Ref.	Type	Seal Range Min-Max mm
PGP7	PG7	3.5-6
PGP9	PG9	5-8
PGP11	PG11	6.10
PGP13.5	PG13,5	8-13
PGP16	PG16	10-15
PGP21	PG21	13-19
PGP29	PG29	18-25
PGP36	PG36	24-32
PGP42	PG42	29-38
PGP48	PG48	36-44
MP10	M10	5-9
MP16	M16	7-10.5
MP20	M20	7-10.5
MP20/2	M20	8-13
MP25	M25	8-13
MP25/2	M25	12-18
MP32	M32	18-24.5
MP40	M40	22-27
MP50	M50	38-41

CABLE GLANDS PLATED BRASS (C)

Ref.	Type	Seal Range Min-Max mm
50501	PG9	6-8
50502	PG11	8-10
50503	PG13.5	10-12
50504	PG16	12-14
50505	PG21	15-17
50506	PG29	24-26
50507	PG36	31-33

CABLE GLANDS POLYAMID IP68 (D)

High Specification cable glands with stress relief and integrated Connection Lip Gaskets nitrile rubber.

| Ref.	Type	Seal Range Min-Max mm
51510	PG7	3-6
51511	PG9	4-8
51512	PG11	5-10
51513	PG13,5	6-12
51514	PG16	9-14
51515	PG21	10-18
51516	PG29	14-25
51517	PG36	21-32
51518	PG42	28-38
51519	PG48	35-44
51530	M16	4-8
51531	M20	6-12
51532	M25	9-14
51533	M32	10-18
51534	M40	14-25
51535	M50	21-32
51536	M63	35-44

CABLE GLANDS EExe (E)

Explosion Proof glands tested to Cenelec Standards EN50014 and EN50019, (Generation C) by BASEEFA.

Ref.	Type	Seal Range Min-Max mm
RG227	PG7	3.5-6
RG229	PG9	5-8
RG2211	PG11	6-10
RG2213.5	PG13.5	8-13
RG2216	PG16	10-15
RG2221	PG21	13-19
RG2229	PG29	18-25
RG2236	PG36	24-32
RG2242	PG42	29-38
RG2248	PG48	36-44
RG22M16	M16	5-8
RG22M20	M20	8-13
RG22M25	M25	13-19
RG22M32	M32	18-25
RG22M40	M40	24-32
RG22M50	M50	29-38

CABLE GLAND WASHERS (F)

Connection thread gasket washers used to give your gland extra IP Protection, i.e If used with IP54 gland, increased protection will be IP66.

Ref.	Type
51400	PG7
51401	PG9
51402	PG11
51403	PG13.5
51404	PG16
51405	PG21
51406	PG29
51407	PG36
51408	PG42
51409	PG48
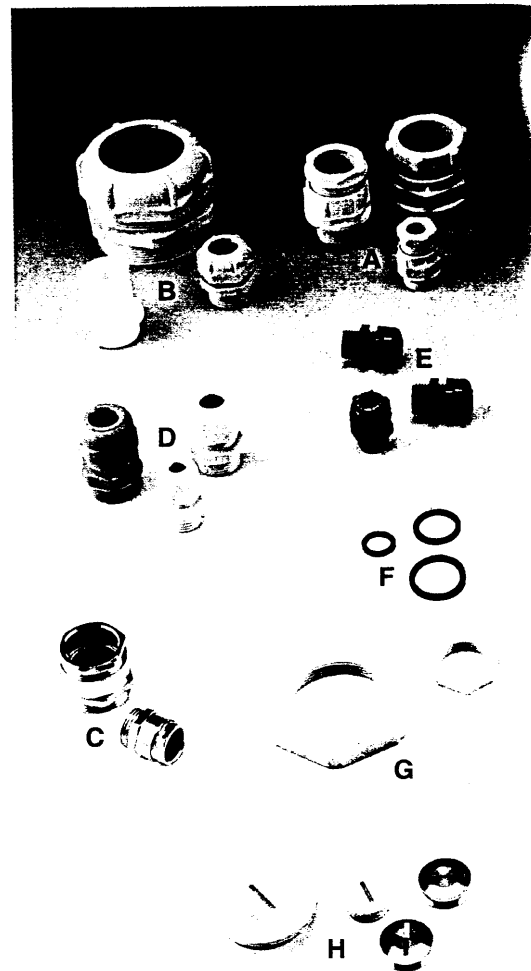
CABLE GLAND LOCKNUTS (G)

Locknuts for use on both PG & Metric Glands etc.

Ref.	Type
51700	PG7
51701	PG9
51702	PG11
51703	PG13.5
51704	PG16
51705	PG21
51706	PG29
51707	PG36
51708	PG42
51709	PG48
ML10	M10
ML16	M16
ML20	M20
ML25	M25
ML32	M32
ML40	M40
ML50	M50

PLATED BRASS LOCKNUTS

Ref.	Type
51721	PG9
51722	PG11
51723	PG13.5
51724	PG16
51725	PG21
51726	PG29
51728	PG36

SWA CABLE GLANDS BW TYPE (I)

BW Type Cable Gland Kits comprising gland, locknut, earth tag and shroud.

Ref.	Gland Size	Glands Per Kit
BW20S	20mm	2
BW20	20mm	2
BW25	25mm	2
BW32	32mm	2
BW40	40mm	1
BW50	50mm	1
BW63	63mm	1
BW75	75mm	1

SWA CABLE GLANDS CW TYPE (J)

CW Type Cable Gland Kits comprising gland, locknut, earth tag and shroud.

Ref.	Gland Size	Glands Per Kit
CW20S	20mm	2
CW20	20mm	2
CW25	25mm	2
CW32	32mm	2
CW40	40mm	1
CW50	50mm	1
CW63	63mm	1
CW75	75mm	1

BRASS BUSHES (K)

Ref.	Description
MBB20S	20mm male brass bushes, short
MBB25S	25mm male brass bushes, short
MBB32S	32mm male bushes, short
MBB1.5S	1¹/₂" male brass bushes, short
MBB2S	2" male brass bushes, short
MBB20L	20mm male brass bushes long
MBB25L	25mm male brass bushes long
MBB32L	32mm male brass bushes long
MBB1.5L	1¹/₂" male brass bushes long
MBB2L	2" male brass bushes long
FBB20	20mm female brass bushes
FBB25	25mm female brass bushes
FBB32	32mm female brass bushes

CABLE CLEATS (L)

Cable Cleats for use with SWA type cable and similar types. Made from low density polyethylene.

Ref.	Capacity Diameter	Pack Quantity
BS3	7.6mm	50
BS4	10.2mm	50
BS5	12.7mm	50
BS6	15.2mm	50
BS7	17.8mm	50
BS8	20.3mm	50
BS9	22.8mm	50
BS10	25.4mm	50
BS11	27.7mm	20
BS12	30.4mm	20
BS13	33.0mm	20
BS14	35.6mm	20
BS16	40.6mm	20
BS18	45.7mm	20
BS20	50.8mm	20

EARTH BLOCKS (M)

Ref.	Description
EB4	self colour 4 way
EB8	self colour 8 way
EBR4	brass 4 way
EBR6	brass 6 way
EBR8	brass 8 way
EBR10	brass 10 way

BRASS TRS GLANDS AND STOP PLUG (N)

Ref.	Description
CF20PGB	20mm TRS glands
CF25PGB	25mm TRS glands
CF20SPB	20mm stop plug
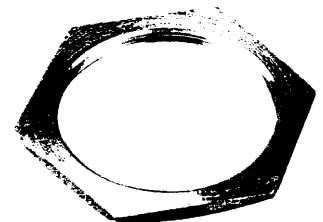
STOP ENDS (H)

Polystyrol stop ends for use in conjunction with lock nuts to 'Blank Off' entry holes into enclosures etc.

Ref.	Type
51800	PG7
51801	PG9
51802	PG11
51803	PG13.5
51804	PG16
51805	PG21
51806	PG29
51807	PG36
51808	PG42
51809	PG48

PLATED BRASS STOP ENDS

Ref.	Type
51840	PG7
51841	PG9
51842	PG11
51843	PG13.5
51844	PG16
51845	PG21
51846	PG29
51847	PG36
51848	PG42
51849	PG48

TERMINALS

RING TERMINALS (A)
INSULATED (Pre-Packed 100's)

Ref.	Stud Size (mm)
0.5 To 1.5mm Cable size (Red)	
104B	3.5
106B	4.0
107B	5.0
108B	6.0
1.5 To 2.5mm Cable size (Blue).	
205B	3.5
207B	4.0
209B	5.0
210B	6.0
4.0 To 6.0mm Cable size (Yellow).	
303B	4.0
305B	5.0
307B	6.0

SPADE TERMINALS (B)
INSULATED (Pre-Packed 100's)

Ref.	Stud Size (mm)
0.5 To 1.5mm Cable size (Red)	
123B	3.5
1.5 To 2.5mm Cable size (Blue)	
222B	3.5
4.0 To 6.0mm Cable size (Yellow)	
325B	5.0

FEMALE PUSH-ON
TERMINALS INSULATED
(Pre-Packed 100's) (C)

Ref.	Series	To Fit Tabs
0.5 To 1.5mm Cable size (Red)		
166B	250	6.3 x 0.8
1.5 To 2.5mm Cable size (Blue)		
264B	250	6.3 x 0.8
4.0 To 6.0mm Cable size (Yellow)		
361B	250	6.3 x 0.8

PIN TERMINALS (D)
INSULATED (Pre-Packed 100's)

Ref.	Pin Length (mm)
0.5 To 1.5mm Cable size (Red)	
141B	12
1.5 To 2.5mm Cable size (Blue)	
241B	12
4.0 To 6.0mm Cable size (Yellow)	
341B	14

BUTT TERMINALS (E)
INSULATED (Pre-Packed 100's)

Ref.
0.5 To 1.5mm Cable size (Red)
151B
1.5 To 2.5mm Cable size (Blue)
251B
4.0 To 6.0mm Cable size (Yellow)
351B

HEAVY DUTY (F)
COPPER TUBE TERMINALS

Ref.	Cable Size (mm)	Stud Size (mm)	Pack Qty
TU10-5	10	5	100
TU10-6	10	6	100
TU10-8	10	8	100
TU16-6	16	6	199
TU16-8	16	8	100
TU16-10	16	10	100
TU25-8	25	8	100
TU25-10	25	10	100
TU35-6	35	6	100
TU35-8	35	8	100
TU35-10	35	10.	100
TU50-8	50	8	100
TU50-10	50	10	100
TU50-12	50	12	100
TU70-8	70	8	50
TU70-10	70	10	50
TU70-12	70	12	50
TU95-8	95	8	25
TU95-10	95	10	25
TU95-12	95	12	25
TU120-10	120	10	10
TU120-12	120	12	10

MK-80 Adjustable hand lever tool for
above terminals 10-95mm

B   E

C   F
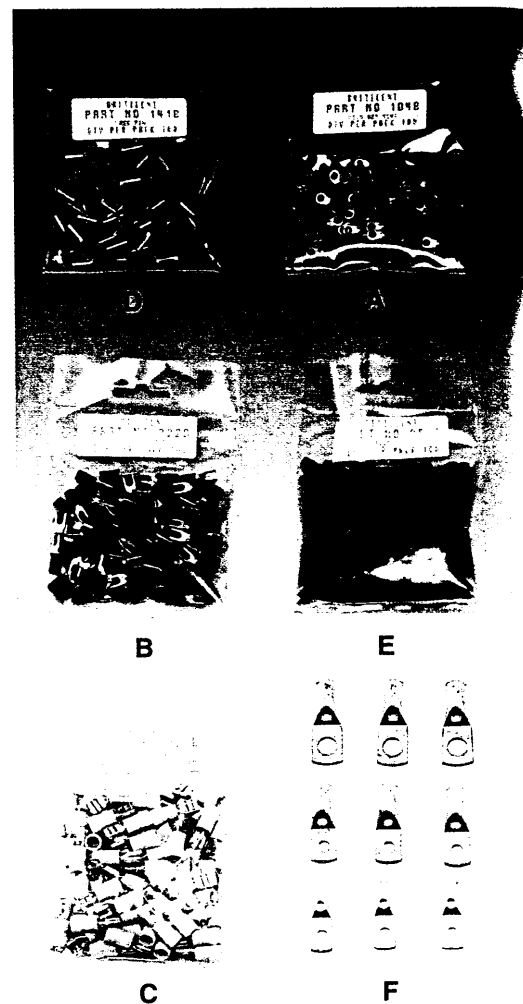
RING TERMINALS
INSULATED (Bulk Pack) (G)

Ref.	Stud Size (mm)
0.5 To 1.5mm Cable size (Red)	
102	3.0
104	3.5
105	4.0 (narrow)
106	4.0
107	5.0
108	6.0
109	8.0
110	10.0
1.5 To 2.5mm Cable size (Blue)	
202	3.0
204	3.5 (narrow)
205	3.5
206	4.0 (narrow)
207	4.0
209	5.0
210	6.0
211	8.0
212	10.0
4.0 To 6.0mm Cable size (Yellow)	
302	3.5
303	4.0
305	5.0
307	6.0
309	8.0
311	10.0

TERMINALS

BLADE TERMINALS
INSULATED (Bulk Pack) (J)

Ref.	Dimensions
0.5 To 1.5mm Cable size (Red)	
145	2.3 x 10.2
146	2.3 x 18.2
1.5 To 2.5mm Cable size (Blue)	
246	2.3 x 18.2
4.0 To 6.0mm Cable size (Yellow)	
346	4.8 x 16.5

BUTT TERMINALS

MALE PUSH-ON TERMINALS
INSULATED (Bulk Pack) (M)

Ref.	Series	To Fit Tabs
0.5 To 1.5mm Cable size (Red)		
167	250	6.3 x 0.8
1.5 To 2.5mm Cable size (Blue)		
268	250	6.3 x 0.8
4.0 To 6.0mm Cable size (Yellow)		
363	250	6.3 x 0.8

MALE TERMINALS FULLY

K   M

PORTABLE BENCH TOP CABLE DISPENSERS (A)

Handy portable Cable Dispensers Ideal for use

MULTI-PURPOSE CABLE DISPENSER (2)

Practical and economic multi-purpose dispenser ideal for the organised storage and

PVC INSULATION TAPE (A)

Electrical insulation tape made to BS3924 & IEC 454-2 supplied in various colours as listed below.

Ref.	Description
TP1920R	19mm x 20m red
TP1920BK	19mm x 20m black
TP1920BL	19mm x 20m blue
TP1920Y	19mm x 20m yellow
TP1920W	19mm x 20m white
TP1920BR	19mm x 20m brown
TP1920G	19mm x 20m grey
TP1920GY	19mm x 20m green/yellow
TP1933R	19mm x 33m red
TP1933BK	19mm x 33m black
TP1933BL	19mm x 33m blue
TP1933Y	19mm x 33m yellow
TP1933W	19mm x 33m white
TP1933BR	19mm x 33m brown
TP1933G	19mm x 33m grey
TP1933GY	19mm x 33m green/yellow

TWIN & EARTH CABLE CLIPS (B)

Made of high impact polyethylene with zinc plated hardened steel pins. Tested to work at low temperature (-60°C).

Ref.	Description
CF1W	1.0 T&E clips white
CF1.5W	1.5 T&E clips white
CF2.5W	2.5 T&E clips white
CF4W	4.0 T&E clips white
CF6W	6.0 T&E clips white
CF10W	10.0 T&E clips white
CF1G	1.0 T&E clips grey
CF1.5G	1.5 T&E clips grey
CF2.5G	2.5 T&E clips grey
CF4G	4.0 T&E clips grey
CF6G	6.0 T&E clips grey
CF10G	10.0 T&E clips grey

ROUND CABLE CLIPS (C)

Made of high impact polyethylene with zinc plated hardened steel pins. Tested to work at low temperature (-60°C).

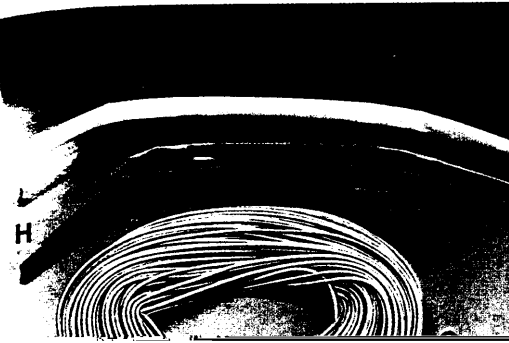| Ref.	Description
CR4W	4mm round white
CR5W	5mm round white
CR6W	6mm round white
CR7W	7mm round white
CR8W	8mm round white
CR9W	9mm round white
CR10W	10mm round white
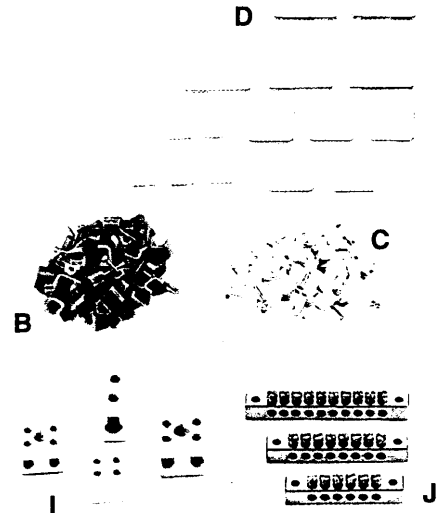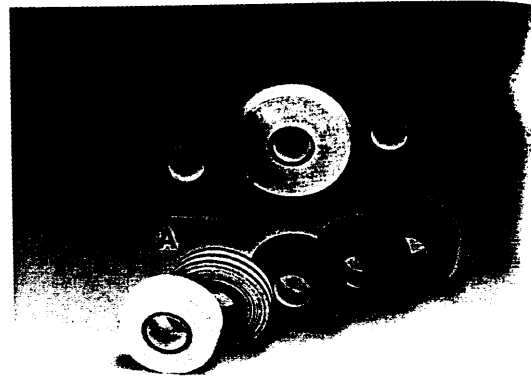
SELF ADHESIVE CABLE CLIPS (D)

A range of cable clips manufactured from enamelled electro galvanised mild steel coated with acrylate based adhesive. Very effective where labour saving is required and a variety of cable sizes fixed. Operating temperature -30 to +80C.

Ref.	Max O.D. of cable
SAFM	3.5mm
SAF1	4.0mm
SAF2	8.0mm
SAF3	12.0mm
SAF4	16.0mm

TERMINAL STRIPS (E)

Flexible polyethylene 12 way terminal strip connections fitted with screw terminals.

Ref.   **Description**

PORCELAIN TERMINAL BLOCK (I)

Porcelain terminal blocks available in either one, two or three way versions all fitted with