

Superior Quality Products

WIRING ACCESSORIES

Using the latest Design Technologies



THINK ELECTRICAL



DIN MINIATURE CIRCUIT BREAKERS (MCB's) 4.5kA

DIN Modules: 1M = 17.5mm
RCC Certificate No. 1209568
IEC 60947-2



Amps	1 Pole Code	Width	1 P+N Code	Width	2 Pole Code	Width	3 Pole Code	Width	4 Pole Code	Width
4.5kA Circuit Breakers C Curve										
1A	NB1-1	1M	-	-	-	-	-	-	-	-
2A	NB1-2	1M	-	-	NB2-2	2M	NB3-2	3M	NB4-2	4M
3A	NB1-3	1M	-	-	-	-	-	-	-	-
4A	NB1-4	1M	-	-	-	-	-	-	-	-
6A	NB1-6	1M	NB1N-6	2M	NB2-6	2M	NB3-6	3M	NB4-6	4M
10A	NB1-10	1M	NB1N-10	2M	NB2-10	2M	NB3-10	3M	NB4-10	4M
16A	NB1-16	1M	NB1N-16	2M	NB2-16	2M	NB3-16	3M	NB4-16	4M
20A	NB1-20	1M	NB1N-20	2M	NB2-20	2M	NB3-20	3M	NB4-20	4M
25A	NB1-25	1M	NB1N-25	2M	NB2-25	2M	NB3-25	3M	NB4-25	4M
32A	NB1-32	1M	NB1N-32	2M	NB2-32	2M	NB3-32	3M	NB4-32	4M
40A	NB1-40	1M	-	2M	NB2-40	2M	NB3-40	3M	NB4-40	4M
50A	NB1-50	1M	-	2M	NB2-50	2M	NB3-50	3M	NB4-50	4M
63A	NB1-63	1M	-	2M	NB2-63	2M	NB3-63	3M	NB4-63	4M



Amps	1 Pole Code	Width	1 P+N Code	Width	2 Pole Code	Width	3 Pole Code	Width	4 Pole Code	Width
Isolators										
32A	NH1-32	1M	-	-	NH2-32	2M	NH3-32	3M	NH4-32	4M
63A	NH1-63	1M	-	-	NH2-63	2M	NH3-63	3M	NH4-63	4M
100A	NH1-100	1M	-	-	NH2-100	2M	NH3-100	3M	NH4-100	4M



Earth Leakage Relays – RCDs 30mA (RCC Certificate No. 1301603)								
Amps	No Overload Protection				With Overload			
	2 Pole Code	Width	4 Pole Code	Width	Amps	2 Pole Code	Width	
25A	NL2-25	2M	NL4-25	4M	25A	NL2L-25	2M	
40A	NL2-40	2M	NL4-40	4M	32A	NL2L-32	2M	
63A	NL2-63	2M	NL4-63	4M	63A	NL2L-63	2M	



Modular Accessories - For control and signalling		
Code	Description	Width
NST-230V	Shunt trip right hand mounting 230VAC	1m
NST-400V	Shunt trip right hand mounting 400VAC	1m
NUV-230V	Over/under voltage trip 170-280V±5% right hand mounting	1m
NSL-*	LED indication lamp. Supply voltage 230VAC	1m

*Add colour to code: R (Red), Y (Yellow), BL (Blue), GN (Green), W (White)



DIN MCB Accessories			
Code	Caps	Description	Carton
Busbars – Spade Terminals			
AS-25-SN	-	Busbar terminal for wire sizes up to 25mm ²	-
S1L-1000/16	-	Insulated busbar 1 phase 63Amps, 1000mm, 56 poles	50
S2L-1000/16	EK-B-2+3	Insulated busbar 2 phase 63Amps, 1000mm, 56 poles	20
S3L-1000/16	EK-B-2+3	Insulated busbar 3 phase 63Amps, 1000mm, 56 poles	20
CK-SAM	-	Conversion Kit from DIN Breakers to 13mm mini rail	-
SP-FBD1M	-	1 x Module Rail Mount Dummy	-
CK-SAM-R	-	1m Conversion rail din to 13mm mini rail - c/w Blanking Strip	-
Busbar for DIN MCB – Not for Gewiss			
Code	Description		
Busbars – Fork Terminals			
EK-B-2+3	Insulated end cap for 2 & 3 pole busbars		
G1L-1000/16	Fork busbar 1 phase 63Amps, 1000mm, 56 poles.		
G2L-1000/16	Fork busbar 2 phase 63Amps, 1000mm, 56 poles.		
G3L-1000/16	Fork busbar 3 phase 63Amps, 1000mm, 56 poles.		

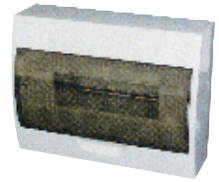
DOMESTIC DISTRIBUTION BOARDS FOR DIN BREAKERS

DIN Economy Type Distribution Board

White. Steel inner tray. Plastic front. Smokey lid. c/w earth & neutral bar.



Flush Code	Size H x W x D	No. of Ways DIN	Surface Code	Size H x W x D	No. of Ways DIN
NEW FDBEDIN-4	135 x 222 x 85	4	NEW SDBEDIN-4	112 x 200 x 94	4
NEW FDBEDIN-6	171 x 222 x 85	6	NEW SDBEDIN-6	146 x 200 x 94	6
FDBEDIN-8	222 x 207 x 87	8	SDBEDIN-8	200 x 184 x 95	8
FDBEDIN-12	222 x 279 x 87	12	SDBEDIN-12	200 x 256 x 95	12
FDBEDIN-15	222 x 334 x 87	15	-	-	-
FDBEDIN-18	251 x 398 x 94	18	SDBEDIN-18	200 x 365 x 95	18
FDBEDIN-24	345 x 300 x 93	24 (2 x 12)	SDBEDIN-24	327 x 271 x 97	24 (2 x 12)
FDBEDIN-36	484 x 300 x 93	36 (3 x 12)	SDBEDIN-36	462 x 271 x 100	36 (3 x 12)



For DIN Breakers

Steel adjustable inner tray

Non adjustable

INDOOR STEEL DISTRIBUTION BOARDS

Indoor Steel DIN Distribution Boards – Surface Mount

For DIN Breakers only. Supplied c/w earth and neutral bars. **IP44** with door



SDB-216

With Door Code	Size H x W x D	No of Modules	Without Door Code	Size H x W x D	No of Modules
SDB-112	335 x 398 x 150	12	ESDB-19	240 x 248 x 70	9
SDB-117	335 x 465 x 150	17	ESDB-112	240 x 300 x 70	12
SDB-123	335 x 590 x 150	23	ESDB-118	240 x 405 x 70	18
SDB-216	538 x 440 x 150	32 (2 x 16)	ESDB-212	450 x 300 70	24 (2 x 12)
SDB-316	748 x 440 x 150	48 (3 x 16)	SP-FB100	5 1/2 way DIN Blanks	



ESDB-112

Indoor Steel DIN Distribution Boards – Flush Mount (white). For DIN Breakers only

Supplied with adjustable galvanised wall tray. Supplied c/w earth and neutral bars. **IP44** with door



FDB-316

With Door Code	Size H x W x D	No of Modules	Without Door Code	Size H x W x D	No of Modules
FDB-112	404 x 437 x 120	12	EFDB-19	300 x 294 x 80	9
FDB-117	404 x 526 x 120	17	EFDB-112	300 x 348 x 80	12
FDB-123	404 x 633 x 120	23	EFDB-118	300 x 454 x 80	18
FDB-216	614 x 508 x 120	32 (2 x 16)	EFDB-212	500 x 348 x 80	24 (2 x 12)
FDB-316	824 x 508 x 120	48 (3 x 16)			



EFDB-112

Accessories

Code	Description
SP-FB100	5 1/2 way DIN Blanks
GW40423	4 1/2 way DIN Blanks



SP-FB100



GW40423



For DIN Breakers

Eave Boxes **IP40** for DIN breakers

Padlockable top hinge, galvanised material then painted grey

Code DIN Type	No. of Way	Size (mm) H x W x D
EAB-5	5	216 x 158 x 120
EAB-9	9	216 x 230 x 120

For additional panel keys see page 524



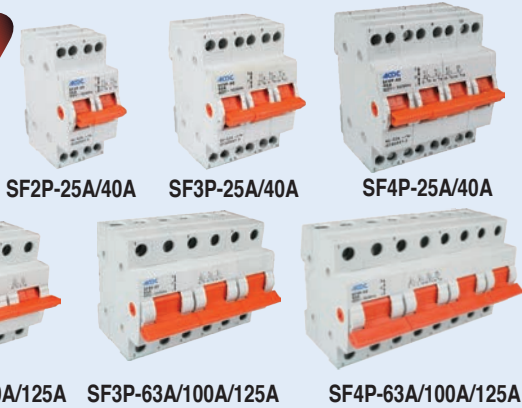
Closed



Open

MODULAR CHANGEOVER SWITCHES

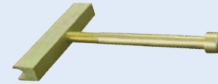
**NEW
UP TO
125A**



Modular Changeover Switches

Code	Amps AC22	No. of Poles	Width
SF2P-*	25, 40A	2P	2m
SF2P-*	63, 100, 125A	2P	4m
SF3P-*	25, 40A	3P	3m
SF3P-*	63, 100, 125A	3P	6m
SF4P-*	25, 40A	4P	4m
SF4P-*	63, 100, 125A	4P	8m

*Add amps to code: 25A, 40A, 63A, 100A, 125A



Code	Description
SFP-OH	Operating Handle for 63-125A

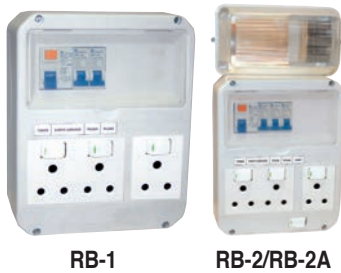


DIN Contactors - Coil Voltage 230VAC

Code	Amps AC1	No. of Poles	Width
NCH8-20	12A	2P N/O	1m
TM2P-*A	25A, 40A, 63A	2P N/O	2m
TM3P-*A	25A, 40A, 63A	3P N/O	3m
TM4P-*A	25A, 40A, 63A	4P N/O	3m
TM4P-25A/22	25A	2 N/O + 2 N/C	3m
TM4P-40A/22	40A	2 N/O + 2 N/C	3m
TM4P-63A/22	63A	2 N/O + 2 N/C	3m

*Add amps to code: 25, 40, 63

READY BOARDS



Ready Board RB-1

- 3 x 15A switched socket outlets
- 1 x 63A DP earth leakage
- 2 x 20A SP CB for socket outlets

Ready Board RB-2/2A

- 3 x 15A switched socket outlets
- 1 x 40 / 63A DP earth leakage
- 1 x 10A SP CB for lights
- 2 x 20A SP CB for socket outlets

Code	Size - H x W x D	Description
RB-1	330 x 245 x 90	No Bulkhead with 63A DP earth leakage
RB-2	455 x 245 x 90	With Bulkhead no lamp with 40A DP earth leakage
RB-2A	455 x 245 x 90	With Bulkhead no lamp with 63A DP earth leakage

White Surface Mounting Modular Distribution Boards DIN Rail

Ready Boards for use with 3 x 3 Devices - empty

For complete boards, see below.

SM Series	Code	Size H x W x D	No. of Ways DIN	Code	Size H x W x D	No. of Modules DIN	No. of 3 x 3 Devices
	XPED-SM-1	130 x 34 x 60	1	CEK4-6S2	310 x 220 x 85mm	6	2
	XPED-SM-2	130 x 52 x 60	2	CEK4-6S4	210 x 388 x 90mm	6	4
	XPED-SM-4	130 x 87 x 60	4		CEK4-6S2	CEK4-6S4	
	XPED-SM-6	160 x 125 x 60	6				
	XPED-SM-8	160 x 160 x 60	8				
	XPED-SM-12	160 x 260 x 60	12				
	XPED-SM-24	350 x 280 x 100	24 (2 x 12)				
XPED-SM-36	400 x 400 x 100	36 (2 x 18)					

READY BOARDS FOR 3 x 3 DEVICES



Ready Boards RB-332

- 1x 15A Switched Socket outlet
- 1x 16A SP On/Off Switch
- 1x 40A DP Earth Leakage
- 1x 20A SP Circuit breaker (Plug)
- 1x 10A SP Circuit breaker (Switch)

Ready Boards RB-334

- 3x 15A Switched Socket outlets
- 1x 16A SP On/Off Switch
- 1x 63A DP Earth Leakage
- 2x 20A SP Circuit breaker (Plugs)
- 1x 10A SP Circuit breaker (Lights)

Code	Size H x W x D	Description
RB-332	310 x 220 x 85mm	No Bulkhead, with 40A DP earth leakage
RB-334	210 x 388 x 90mm	No Bulkhead, with 63A DP earth leakage
RB-332A	415 x 220 x 85mm	With Bulkhead, no lamp with 40A DP earth leakage
RB-334A	210 x 493 x 85mm	With Bulkhead, no lamp with 63A DP earth leakage

NEW
D-Curve
Breakers

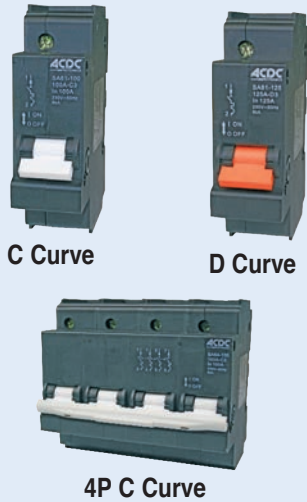
13MM MINIATURE CIRCUIT BREAKERS (MCBs) 4.5kA

SA Range 1M = 13mm



Amps	1 Pole Code 1M wide	1 P+N Code 2M wide	2 Pole Code 2M wide	3 Pole Code 3M wide	3 P+N Code 4M wide	4 Pole Code 4M wide
4.5kA Circuit Breakers C Curve						
1A	SA1-1	-	-	-	-	-
2A	SA1-2	-	-	-	-	-
5A	SA1-5*	SA1N-5*	SA2-5*	SA3-5*	SA3N-5	SA4-5
10A	SA1-10*	SA1N-10*	SA2-10*	SA3-10*	SA3N-10	SA4-10
15A	SA1-15*	SA1N-15*	SA2-15*	SA3-15*	SA3N-15	SA4-15
20A	SA1-20*	SA1N-20*	SA2-20*	SA3-20*	SA3N-20	SA4-20
25A	SA1-25*	SA1N-25*	SA2-25*	SA3-25*	SA3N-25	SA4-25
32A	SA1-32*	SA1N-32*	SA2-32*	SA3-32*	SA3N-32	SA4-32
40A	SA1-40*	SA1N-40*	SA2-40*	SA3-40*	SA3N-40	SA4-40
50A	SA1-50*	SA1N-50*	SA2-50*	SA3-50*	SA3N-50	SA4-50
63A	SA1-63*	SA1N-63*	SA2-63*	SA3-63*	-	SA4-63

6kA Circuit Breakers C Curve



Amps	2M wide	-	4M wide	6M wide	-	8M wide
5A	SA61-5*	-	SA62-5*	SA63-5*	-	-
10A	SA61-10*	-	SA62-10*	SA63-10*	-	-
15A	SA61-15*	-	SA62-15*	SA63-15*	-	-
20A	SA61-20*	-	SA62-20*	SA63-20*	-	-
25A	SA61-25*	-	SA62-25*	SA63-25*	-	-
32A	SA61-32*	-	SA62-32*	SA63-32*	-	-
45A	SA61-40*	-	SA62-40*	SA63-40*	-	-
50A	SA61-50*	-	SA62-50*	SA63-50*	-	-
63A	SA61-63*	-	SA62-63*	SA63-63*	-	SA64-63
80A	SA61-80*	-	SA62-80*	SA63-80*	-	SA64-80
100A	SA61-100*	-	SA62-100*	SA63-100*	-	SA64-100
125A	SA61-125*	-	SA62-125*	SA63-125*	-	SA64-125

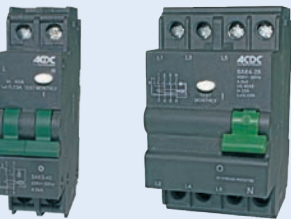
* For D Curve Breakers, Add -D to code, e.g. SA1-10-D

Isolators



Amps	2M wide	-	4M wide	6M wide	-	8M wide
25A	SAS1-25	-	SAS2-25	SAS3-25	-	SAS4-25
40A	SAS1-40	-	SAS2-40	SAS3-40	-	SAS4-40
63A	SAS1-63	-	SAS2-63	SAS3-63	-	SAS4-63

Earth Leakage Relays - RCDs 30mA



No Overload Protection					With Overload		
Amps	2 Pole Code	Width	4 Pole Code	Width	Amps	2 Pole Code	Width
25A	SAE2-25	2M	SAE4-25	4M	25A	SAE2L-25	2M
40A	SAE2-40	2M	SAE4-40	4M	32A	SAE2L-32	2M
63A	SAE2-63	2M	SAE4-63	4M	63A	SAE2L-63	2M

Surge Protection Device



Code	Class	No. of poles	I _{max} 8/20	I _n 8/20	Up	U _c	U _n	Width
SASP-5KA	2	1	10kA	5kA	1200V	275V	230V	1M
SASP-15KA	2	1	30kA	15kA	1200V	275V	230V	1M

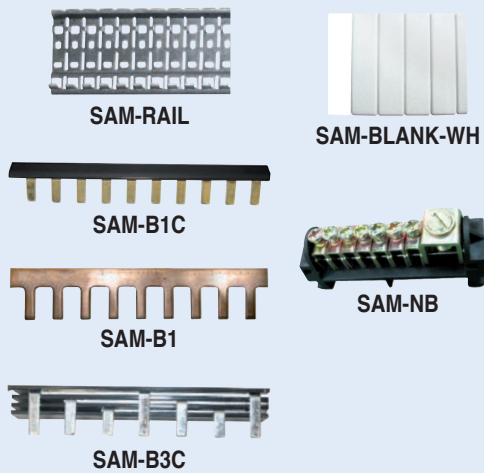
Time Switch



Code	Description
SAT-30A	<ul style="list-style-type: none"> • 24hrs/7days 8 On + 8 Off Programs • 3M Width (39mm)

• Switching Capacity: 30A
• 15 Days Reserve

13MM MINATURE CIRCUIT BREAKERS (MCBs) 4.5kA



13mm Mini C/B Accessories

Code	Description
SAM-RAIL	Mini Rail for circuit breakers 77 Way/1m
SAM-B1C	Copper busbar for 13mm mini rail breakers 750mm long 1 Pole black insulated
SAM-B1	Copper busbar for 13mm mini rail breakers 750mm long 1 Pole non-insulated
SAM-B2C	Copper busbar for 13mm Mini Rail Breakers 750mm long 2 Pole black insulator
SAM-B3C	Copper busbar for 13mm mini rail breakers 750mm long 3 Pole black insulated
SAM-BLANK-WH	4½ way 13mm mini rail blanks, white
SAM-BLANK-BK	4½ Way 13mm mini rail blanks, black
SAM-NB	Neutral bar clip-in to rail Accommodates 16mm ² x 1, 7mm ² x 7

13mm PRE-WIRED DISTRIBUTION BOARDS

Flush Type



- Adjustable steel tray
- 20mm & 25mm knock outs
- Smokey, transparent lid
- 2x Neutral bars, fitted
- 1x Earth bar

White Pre-Assembled Distribution Boards - Populated with 13mm MCBs

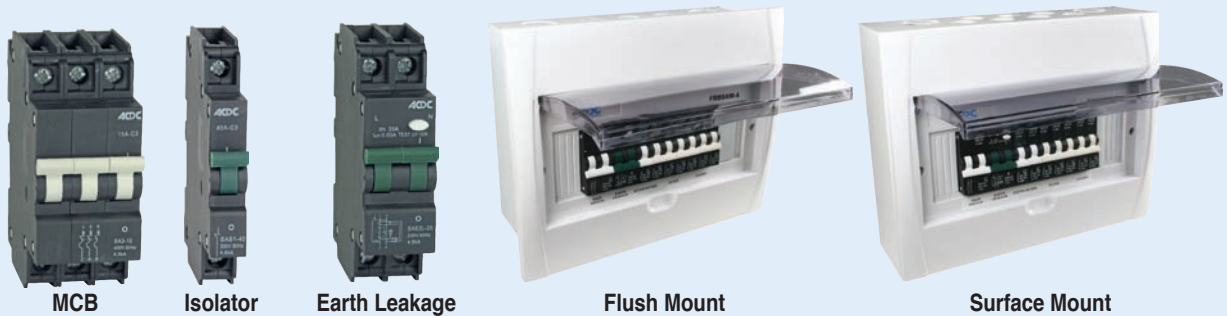
	8 Way		11 Way	
	Pre-Wired	Pre-Assembled	Pre-Wired	Pre-Assembled
Surface	SRBSAM-3	SRBSAM-5	SRBSAM-4	SRBSAM-6
Flush	FRBSAM-3	FRBSAM-5	FRBSAM-4	FRBSAM-6
	1x 63A 1P+N MCB (Mains)		1x 63A 1P+N MCB (Mains)	
	1x 32A SP MCB (Stove)		1x 32A SP MCB (Stove)	
	1x 16A SP MCB (Geyser)		1x 16A SP MCB (Geyser)	
	1x 63A ELU 30mA		1x 63A ELU 30mA	
	1x 10A SP MCB (Lights)		2x 10A SP MCB (Lights)	
	1x 20A SP MCB (Plugs)		3x 20A SP MCB (Plugs)	
	Supplied in 11-way enclosure.			

Surface Type

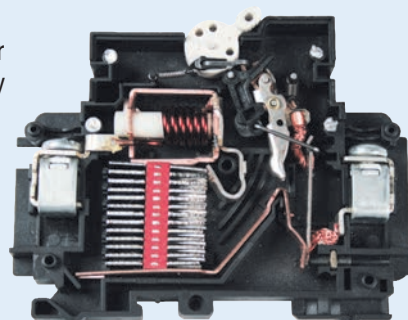


- 20mm & 25mm knock outs
- Smokey, transparent lid
- 2x Neutral bars, fitted
- 1x Earth bar

13MM 4.5kA MCB's



• Arc chute has 13 splitter plates to increase safety and extend contact life



• Dual rail mounting:
Mini Rail or DIN Rail

• Thermal magnetic tripping mechanism provides accurate tripping at lower currents and protects against loose connection on the load terminals

40 CDK RANGE - DISTRIBUTION BOARDS



Grey Surface mounting **IP65**
(Circuit breakers excluded)



White Flush mount **IP40**



GW40422

DB with Transparent Smoked Door Terminal blocks to be ordered separately (Pg 544)

CDKe - IP65 Grey Surface Mount	Size H x W x D	Ctn Qty	Type	CDKi - IP40 White Flush Mount	Size H x W x D	Ctn Qty
GW40101	210 x 143 x 100	19	4 Module - (1 x 4) No provision for terminal blocks	-	-	-
-	-	-	6 Module - (1 x 6) No provision for terminal blocks	GW40603	170 x 200 x 85	21
GW40102	210 x 215 x 100	12	8 Module - (1 x 8) Accepts 1 terminal block code GW40401	GW40604	195 x 240 x 85	12
GW40103	260 x 298 x 140	6	12 Module - (1 x 12) Accepts 1 terminal block code GW40402	GW40605	270 x 330 x 85	8
GW40106	285 x 410 x 140	3	18 Module - (1 x 18) Accepts 1 terminal block code GW40404	GW40608	310 x 465 x 85	4
GW40104	420 x 298 x 140	3	24 Module - (2 x 12) Accepts 1 terminal block code GW40402	GW40606	420 x 330 x 85	6
GW40107	463 x 410 x 140	2	36 Module - (2 x 18) Accepts 2 terminal block code GW40404	GW40609	505 x 465 x 85	3
GW40108	655 x 410 x 140	1	54 Module - (3 x 18) Accepts 2 terminal block code GW40404	GW40610	680 x 465 x 95	2
GW40109	878 x 410 x 140	1	72 Module - (4 x 18) Accepts 4 terminal block code GW40404	GW40611	855 x 465 x 95	1

Cylindrical Security/Safety Lock

GW40422 Die-cast metal (Locks are supplied with 2 keys with standardised code, suitable for CDK Range)

40 CDi RANGE - DISTRIBUTION BOARDS – FLUSH MOUNTING

Domestic Type D/B

White



Titanium



Toner Black



Slate



Terminal blocks & CBs to be ordered separately

Protected Flush Mounting Modular Enclosure - IP40 Transparent Smoked Door

Code	Size L x H x D	Type	Carton Qty
GW40237*	148 x 165 x 107	4 Module - (1 x 4) No provision for terminal blocks	12
GW40225*	250 x 195 x 107	8 Module - (1 x 8) Accepts 1 terminal block code GW40401	16
GW40229*	330 x 218 x 107	12 Module - (1 x 12) Accepts 1 terminal block code GW40402	12
GW40233*	330 x 338 x 107	24 Module - (1 x 24) Accepts 1 terminal block code GW40401	5
GW40239*	330 x 493 x 107	36 Module - (1 x 36) Accepts 1 terminal block code GW40402	5

*Add colour to code: TB (Milk White), TN (Toner Black), VT (Titanium), VA (Slate Grey)

IP40 DB Colour Co-ordinated with Chorus System Range Plates



Door with automatic opening

Titanium



Slate



Code	Size H x W x D	Type	Colour	Carton Qty
GW40981TB	255 x 320 x 80	12 Module - (1 x 12)	White	2
GW40981VT	255 x 320 x 80	12 Module - (1 x 12)	Metallic Titanium	2
GW40981VA	255 x 320 x 80	12 Module - (1 x 12)	Metallic Slate	2
GW40991TB	360 x 320 x 80	24 Module - (2 x 12)	White	2
GW40991VT	360 x 320 x 80	24 Module - (2 x 12)	Metallic Titanium	2
GW40991VA	360 x 320 x 80	24 Module - (2 x 12)	Metallic Slate	2

40 CDe RANGE - DISTRIBUTION BOARDS – FLUSH MOUNTING



Flush Mount DB with Steel Frame and Plastic Door - Colour White RAL 9016 IP40

Code	Size H x W x D	Tray Size HxWxD	Type
GW40151	338 x 335 x 75	303 x 300 x 85	Module - 12 (1 x 12) c/w Neutral and Earth Bar
GW40152	463 x 335 x 75	428 x 300 x 85	Module - 24 (2 x 12) c/w Neutral and Earth Bar
GW40153	585 x 335 x 75	553 x 300 x 85	Module - 36 (3 x 12) c/w Neutral and Earth Bar
GW40154	713 x 335 x 75	678 x 300 x 85	Module - 48 (4 x 12) c/w Neutral and Earth Bar

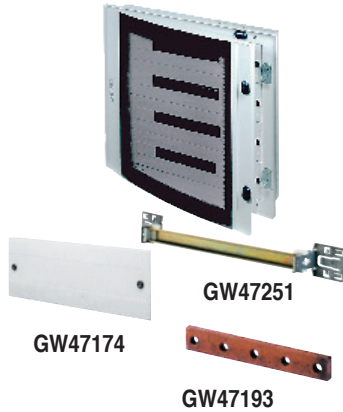
DISTRIBUTION BOARDS COMPLETE WITH CIRCUIT BREAKERS

Domestic Range			Elite Range		Industrial Range
 GX981	 GX982		 GX985	Up market decorative IP40 Distribution Board with automatic opening c/w earth & neutral bar.	 GX991
Flush plastic IP40 Distribution Board with transparent smoked door c/w earth and neutral bar.					White flush mounting IP30 Distribution Board with steel frame & plastic door c/w earth & neutral bar.
Description	Code	Colour	Code	Colour	Code
12 Module (1 x 12 Way)	GX981	White	GX985	White	GX991
	GX982	Toner Black	GX986	Metallic Titanium	-
	-	-	GX987	Metallic Slate	-
24 Module (2 x 12 Way)	GX983	White	GX988	White	GX992
	GX984	Toner Black	GX989	Metallic Titanium	-
	-	-	GX990	Metallic Slate	-

All the above complete with 1 x 63Amp earth leakage, 2 x 10 Amp, 3 x 20Amp, 1 x 32 Amp, 1 x 40 Amp Single Pole MCBs

CVX 160 DISTRIBUTION BOARDS

Curved tempered glass door



CVX 160 I Range: 160A Flush Mount steel DB IP40 - Colour Grey RAL 7035

Complete with Galvanized Wall Tray and DIN Modules. • Earth Bar and Blanking Plates to be ordered separately

Glass Door Code	Solid Steel Door Code	DIN Modules	DB Ext. Size H x W x D x + Glass	Tray Size H x W x D
GW47082	GW47087	96 (4 x 24)	706 x 730 x 34 + 30mm	670 x 680 x 105
GW47083	GW47088	120 (5 x 24)	906 x 730 x 34 + 30mm	870 x 680 x 105
GW47084	GW47089	144 (6 x 24)	1106 x 730 x 34 + 30mm	1070 x 680 x 105

Accessories

GW47174	Solid front panel 150(H) x 600(W) mm c/w 2 hinges
GW47193	Earth bar kit 20 x 5 (24 holes x M6)
GW47251	DIN (35mm) Rail Kit
GW47176	200mm(H) panel with 4 x 72mm ² cut outs and 1 x 9.5mm ø hole, c/w 2 hinges

For neutral bars see main AC/DC Catalogue

Curved glass door



CVX 160 E Range: 160A Surface Wall Mount DB IP40 – Colour Grey RAL 7035

Equipped with 2 locks • c/w 4 mounting brackets & 2 gland plates (top & bottom)

Curved Tempered Glass Door DB Code	Solid Steel Door DB Code	(1) No Of Modules 150mm(H)	(2) No Of Modules 200mm(H)	DB Ext. Size H x W x D x + Glass
GW47011E	GW47021E	96 (4 x 24)	72 (3 x 24)	700 x 700 x 170 + 30mm
GW47012E	GW47022E	120 (5 x 24)	96 (4 x 24)	900 x 700 x 170 + 30mm
GW47013E	GW47023E	144 (6 x 24)	120 (5 x 24)	1100 x 700 x 170 + 30mm
GW47014E	GW47024E	192 (8 x 24)	144 (6 x 24)	1300 x 700 x 170 + 30mm

160A Surface Wall Mount Steel DB IP55 – colour Grey RAL 7035

GW47031E	GW47041E	96 (4 x 24)	72 (3 x 24)	700 x 700 x 170 + 30mm
GW47032E	GW47042E	120 (5 x 24)	96 (4 x 24)	900 x 700 x 170 + 30mm
GW47033E	GW47043E	144 (6 x 24)	120 (5 x 24)	1100 x 700 x 170 + 30mm
GW47034E	GW47044E	192 (8 x 24)	144 (6 x 24)	1300 x 700 x 170 + 30mm

160A Surface Wall Mount Steel DB IP65 – colour Grey RAL 7035

-	GW47062E	120 (5 x 24)	96 (4 x 24)	900 x 700 x 170 + 30mm
-	GW47063E	144 (6 x 24)	120 (5 x 24)	1100 x 700 x 170 + 30mm
-	GW47064E	192 (8 x 24)	144 (6 x 24)	1300 x 700 x 170 + 30mm

Accessories

(1)GW47171	150mm(H) 24 DIN Kit c/w hinges and adjustable DIN Rail
(2)GW47172	200mm(H) 24 DIN Kit c/w hinges and adjustable DIN Rail
GW47173	Solid front panel 50(H) x 600(W) mm
GW47174	Solid front panel 150(H) x 600(W) mm c/w 2 hinges
GW47175	Solid front panel 200(H) x 600(W) mm c/w 2 hinges
GW47176	200mm(H) panel with 4 x 72mm ² cut outs and 1 x 9.5mm ø hole, c/w 2 hinges
GW47193	Pre Drilled earth bar kit 20 x 5mm (24 holes x M6)

NEW

DISTRIBUTION BOARDS – SURFACE & FLOOR MOUNT

CVX 630 K Surface Mount DB Board IP40-43 CVX Range – Colour Grey RAL 7035

Complete with Functional Frames & Cable Gland Plates • 630A

Structures Code	Sides Code	Solid Door Code	Curved Glass Door Code	(1) No Of Modules 150mm(H)	(2) No Of Modules 200mm(H)	DB Functional Mono Size H x W x D
GW45004	GW45024	GW45124	GW45104	144 MOD (24 x 6)	120 MOD (24 x 5)	1000 x 600 x 230
GW45005	GW45025	GW45125	GW45105	192 MOD (24 x 8)	144 MOD (24 x 6)	1200 x 600 x 230
GW45014	GW45024	GW45134	GW45114	216 MOD (36 x 6)	180 MOD (36 x 5)	1000 x 850 x 230
GW45015	GW45025	GW45135	GW45115	288 MOD (36 x 8)	216 MOD (36 x 6)	1200 x 850 x 230

GW45004/5/14/15

(1) & (2) DIN Modules 150 & 200 (H)mm to be ordered separately

CVX 630 K Floor Mount DB Board IP40-43 CVX Range – Colour Grey RAL 7035

Complete with Functional Frames, Cable Gland Plates and Controllable Base H=100mm Blue RAL 5003 • 630A

Structures Code	Sides Code	Solid Door Code	Curved Glass Door Code	(1) No Of Modules 150mm(H)	(2) No Of Modules 200mm(H)	DB Functional Size H x W x D
GW45007	GW45027	GW45127	GW45107	240 MOD (24 x 10)	192 MOD (24 x 8)	1600 x 600 x 230
GW45009	GW45029	GW45129	GW45109	312 MOD (24 x 13)	240 MOD (24 x 10)	2000 x 600 x 230
GW45017	GW45027	GW45137	GW45117	360 MOD (36 x 10)	288 MOD (36 x 8)	1600 x 850 x 230
GW45019	GW45029	GW45139	GW45119	468 MOD (36 x 13)	360 MOD (36 x 10)	2000 x 850 x 230

GW45104/05/14/15

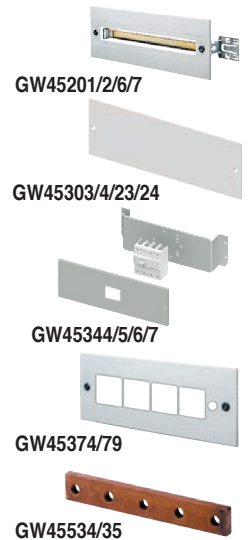
(1) & (2) DIN Modules 150 & 200 (H)mm to be ordered separately

Accessories for Surface Mount & Floor Mount Panels

Code	Description	Dimensions mm
GW45201	24 DIN Kit c/w Hinges and DIN Rail	150 (H) x 600 (L)
GW45206	36 DIN Kit c/w Hinges and DIN Rail	150 (H) x 850 (L)
GW45202	24 DIN Kit c/w Hinges and DIN Rail	200 (H) x 600 (L)
GW45207	36 DIN Kit c/w Hinges and DIN Rail	200 (H) x 850 (L)
GW45303	24 DIN Solid Front Panel c/w Fixing Hinges	150 (H) x 600 (L)
GW45323	36 DIN Solid Front Panel c/w Fixing Hinges	150 (H) x 850 (L)
GW45304	24 DIN Solid Front Panel c/w Fixing Hinges	200 (H) x 600 (L)
GW45324	36 DIN Solid Front Panel c/w Fixing Hinges	200 (H) x 850 (L)
GW45244	MCCB Kit, 3P-4P up to 160A, Vertical	200 (H) x 400 (L)
GW45245	MCCB Kit, 3P-4P up to 250A, Vertical	200 (H) x 400 (L)
GW45246	MCCB Kit, 3P-4P up to 320A, Vertical	200 (H) x 400 (L)
GW45247	MCCB Kit, 3P-4P up to 400A/630A, Vertical	200 (H) x 400 (L)
GW45374	Panel with 4 x 96mm ² cut outs, 1 x 9,5mm ø hole c/w Hinges	200 (H) x 600 (L)
GW45379	Panel with 4 x 96mm ² cut outs, 1 x 9,5mm ø hole c/w Hinges	200 (H) x 850 (L)
GW45531	IP43 Gasket for CVX630K	-
GW45534	Pre-drilled Earth Bar Kit 600 x 20 x 5 (24 Holes M6)	-
GW45535	Pre-drilled Earth Bar Kit 850 x 20 x 5 (36 Holes M6)	-

GW45024/25

GW45107/09/17/19



630A Surface & Floor Mount DB Boards complete with Top, Bottom, Doors & Sides IP40

• Accessories to be ordered separately

No Of Modules 150mm	Surface Mount c/w Curved Glass Door Code	Surface Mount c/w Solid Steel Door Code	Floor Mount c/w Curved Glass Door Code	Floor Mount c/w Solid Steel Door Code
*190-240	GX95104	GX95124	GX95107	GX95127
*240-312	GX95105	GX95125	GX95109	GX95129
*288-340	GX95114	GX95134	GX95117	GX95137
*360-468	GX95115	GX95135	GX95119	GX95139

* Depending on which height 150 or 200 Module GX Part No's assembled in South Africa

GW45107/09/17/19



Available in IP55 on request

20 SYSTEM RANGE WHITE

Code	GW20571	GW20209
	1P 16A	2P + E 15A - 250V~
1Gang	GW26409	GW24008
2Gang	GW26410	GW24010
4Gang	-	GW24022
	DIN Mounting Bracket	Panel/Surface Mounting Bracket

WATERTIGHT ENCLOSURES

46 Range - Triangular Key Locks - Chassis Plates to be ordered separately

Polyester

• RAL 7035

• **IP65**

Mild Steel

• RAL 7035

• **IP55**

304 Stainless Steel

• Polished

• **IP55**

• Max +60°C; Min -25°C



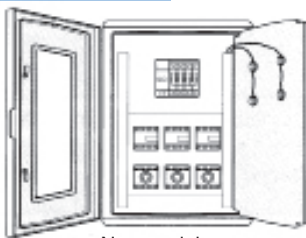
c/w Mounting Bracket for DIN Rail and one panel key

Polyester

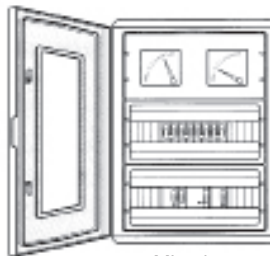
Stainless Steel

Ext. Dim. (mm) H x W x D	Polyester	Polyester Window	Mild Steel	Mild Steel Window	304 Stainless Steel	Perforated Plate for MCCB	Blank plate for MCCB	Chassis Plates Steel	Inner Door
300 x 250 x 160	GW46001	GW46201	GW46031	-	-	-	-	GW46401	-
425 x 310 x 160	GW46002	GW46202	GW46032	GW46232	GW46052	GW46440	GW46540	GW46402	GW46414
500 x 405 x 200	GW46003	GW46203	GW46033	GW46233	-	GW46441	GW46541	GW46403	GW46415
650 x 405 x 200	GW46004	GW46204	GW46034	GW46234	GW46054	GW46441	GW46541	GW46404	GW46416
650 x 515 x 250	GW46005	GW46205	GW46035	GW46235	-	GW46442	GW46542	GW46405	GW46417
800 x 585 x 300	GW46006	GW46206	GW46036	GW46236	GW46056	GW46443	GW46543	GW46406	GW46418
1060 x 800 x 350	GW46007	GW46207	GW46037	GW46237	-	GW46444	GW46544	GW46407	GW46419

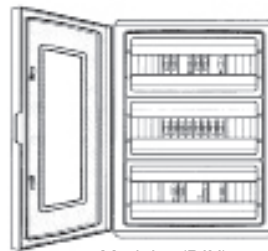
Typical Applications



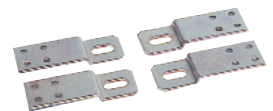
Non modular



Mixed



Modular (DIN)



GW46446



GW-KEY

GW46445

Steel Brackets for Surface fixing of 46 Range Enclosures

GW46446	Set of 4 brackets	GW46524F	DIN Rail Mounting Brackets
GW-KEY	Spare triangular key	GWD8261	DIN Rail Mounting Brackets for MTX160
GW46445	Safety lock with handle and key	GWD8262	DIN Rail Mounting Brackets for MTX250

Modular Accessories

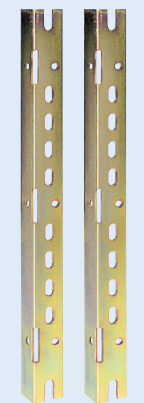


GW46420F



GW46425F

External Dimensions H x W x D	Max No. Modules	Cover Plate Kit c/w DIN Rail	Cover Plate Kit for MCCB	Single Blank Cover Kit	Double Blank Cover Kit	Single DIN Rail w/o Bracket	Double DIN Rail w/o Bracket	Upright Mounting Brackets
425 x 310 x 160	36 (3x12)	GW46420F		GW46425F	GW46475F	GW46430F	GW46530F	GW46435F
500 x 405 x 200	54 (3x18)	GW46421F	GW46570F	GW46426F	GW46476F	GW46431F	GW46531F	GW46436F
650 x 405 x 200	72 (4x18)	GW46421F	GW46570F	GW46426F	GW46476F	GW46431F	GW46531F	GW46437F
650 x 515 x 250	96 (4x24)	GW46422F	GW46571F	GW46427F	GW46477F	GW46432F	GW46532F	GW46437F
800 x 585 x 300	140 (5x28)	GW46423F	GW46572F	GW46428F	GW46478F	GW46433F	GW46533F	GW46438F
1060 x 800 x 350	180 (5x36)	GW46424F	GW46573F	GW46429F	GW46479F	GW46434F	GW46534F	GW46439F



GW464435F

44 CEP Range - IP55

Moulded Enclosure for electrical & electronic components 110°C

Dimensions (mm) H x W x D	Code Grey door	Code Transparent Door	Steel Chassis Plate	Carton Qty
254 x 200 x 135	GW44808	GW44818	GW44636	12
316 x 236 x 135	GW44809	GW44819	GW44637	8
396 x 316 x 160	GW44810	GW44820	GW44638	4
474 x 396 x 160	GW44811	GW44821	GW44639	2



EN 50267-2-2

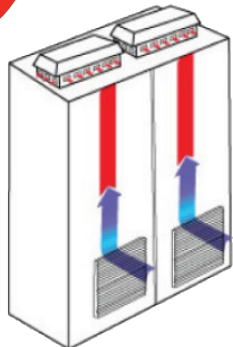
NEW

FANS

Cabinet Top Exhaust Fans



NEW

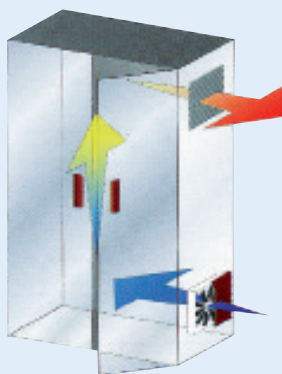


Code	Size (mm) W x D x H	Panel (mm) Cut-Out	Flow Rate		Power Watts	IP Rating	Noise
			No Filter	With Filter			
F2E190-230-DSP	400x350x103	179.5x179.5	570m ³ /h	456m ³ /h	58	IP55	62dB
F2E220-230-DSP	400x350x103	179.5x179.5	860m ³ /h	688m ³ /h	58	IP55	73dB
F2E225-230-DSP	400x350x103	179.5x179.5	1200m ³ /h	960m ³ /h	135	IP55	69dB

Complete Grill Code	Size (mm) W x D x H	Panel Cut-Out (mm)	Spare Filter Mat
FK6626.300	320 x 320 x 31	290 x 291	FK26F



Typical application



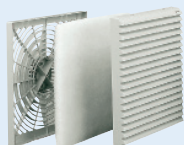
Systema Series

240V fan c/w grill and filter plus separate outlet grill and filter for electrical cabinets.
Ambient temperature range: -20° to +50°C. Motor with ball bearings rated for 30 000 hours.

Code	IP Rating	Flow Rate	Watts	Size H x W	Spare Filter (set of 4)	Spare Grilles
OW976	IP44	42m ³ /h	17	130 x 130	OW962	OW965
OW978	IP44	110m ³ /h	30	250 x 250	OW968	OW951
OW992	IP54	85m ³ /h	30	250 x 250	OW991	OW951
OW979	IP44	130m ³ /h	30	320 x 320	OW963	OW966
OW980	IP55	58m ³ /h	35	320 x 320	OW964	OW966
OW981	IP44	360m ³ /h	35	320 x 320	OW963	OW966
OW982	IP55	136m ³ /h	35	320 x 320	OW964	OW966

Systema Series - 110VAC

Code	IP Rating	Flow Rate	Watts	Size H x W	Spare Filter (set of 4)	Spare Grilles
OW989	IP44	360m ³ /h	35	320 x 320	OW963	OW966
OW970	Thermostat (20 to 60°C) For DIN rail mounting inside cabinet					



1 part number = complete system



Thermostat Controller



Econo Fans for Electrical Cabinets IP43

Code 230VAC	Code 115VAC	Flow Rate	Size H x W	Watts 230VAC	Watts 115VAC	Spare Filter	Outlet Grill c/w filter
FK6621.230	FK6621.115	20m ³ /H	117 x 117	12W	12W	FK21F	FK6621.300
FK6622.230	FK6622.115	55m ³ /H	150 x 150	19W	12W	FK22F	FK6622.300
FK6623.230	FK6623.115	105m ³ /H	204 x 204	19W	12W	FK23F	FK6623.300
FK6625.230	FK6625.115	230m ³ /H	255 x 255	37W	36W	FK25F	FK6625.300
FK6626.230	FK6626.115	500m ³ /H	323 x 323	63W	60W	FK26F	FK6626.300
FK7726.230	FK7726.115	1020m ³ /H	325 x 325	120W	135W	FK76F	FK7726.300

Fans complete with grill and filter. Outlet grill to be ordered separately

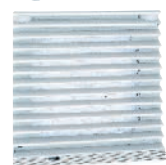
Fan can be configured as either intake or exhaust

Colour RAL 7035

Fan



Grill



NEW

ALUMINIUM LABEL HOLDER

Label Holder Rail - 25mm - Natural Anodised

Code	Description
LH-A/1	Aluminium label holder 1m length. Size of label 20mm
LH-A/2	Aluminium label holder 2m length. Size of label 20mm
LABEL LH-A	Aluminium label holder c/w laser engraved label - Black Letters on White (sold per cm)

Specify text and format when ordering

TERMINAL BLOCKS



BZ25



BZ250

Cage Terminals ensure proper connections when connecting stranded conductors

Closed End UniPolar Screw Connector

Code	No. of ways	Hole Size (mm) H x W	Cable Size	Volts	IP Rating
BZ25	8	4,1 x 3,5	2 x 2.5mm ²	450	20
BZ60	8	6,2 x 4,5	2 x 6.0mm ²	450	20
BZ100	8	7,3 x 6,5	2 x 10mm ²	500	20
BZ160	4	9,7 x 9,0	2 x 16mm ²	500	00
BZ250	1	11,1 x 10,0	2 x 25mm ²	500	00
BZ350	1	9,7 x 9,0	2 x 35mm ²	500	00
BZ550	1	11,1 x 10,0	2 x 50mm ²	500	00



TSS21-12



TSS41-12

Terminal blocks 12 Way

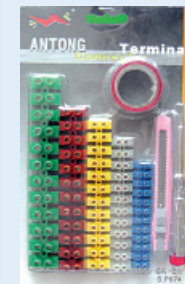
Code	Description	Length	Hole Pitch
TSS21-12	10A 12 Way Terminal block	87mm	83mm
TSS41-12	20A 12 Way Terminal block	92mm	74mm

TERMINAL KITS

Temperature - 30° - 100°C 400V



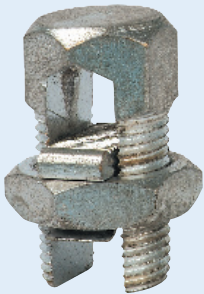
Code **PACKING-6**
Kit consists of: 1 x 3Amp, 3 x 6Amp, 2 x 15Amp terminal



Temperature - 30° - 100°C 400V

Code **PACKING-7**
• Kit consists of:
- 1 x flat screw driver
- 1 x PVC Tape
- 1 x 3Amp, 1 x 6Amp, 1 x 10Amp, 1 x 15Amp, 1 x 30Amp terminal

BRASS LINE TAPS



Code	Cable Size	Takes Two Conductors	Code	Cable Size	Takes Two Conductors
BLT-10	4-10mm ²	10mm ²	BLT-70	6-70mm ²	70mm ²
BLT-16	4-16mm ²	16mm ²	BLT-95	6-95mm ²	95mm ²
BLT-25	4-25mm ²	25mm ²	BLT-120	8-120mm ²	120mm ²
BLT-35	6-35mm ²	35mm ²	BLT-150	8-150mm ²	150mm ²
BLT-50	6-50mm ²	50mm ²			

SINGLE POLE DISTRIBUTION BLOCKS DIN RAIL MOUNTING



Flexi Busbar 24 x 6



Code	BKB251	E569010	E569020	E569030	E569040	E569050	E569060
Amperage	80A	80A	125A	160A	250A	400A	500A
Description	UD80A	UD80A	UD125A	UD160A	UD250A	UD400A	UD500A
In	1 x 25mm ²	1 x 6 - 16mm ²	1 x 10 - 35mm ²	1 x 10 - 70mm ²	1 x 35 - 120mm ²	1 x 95 - 185mm ²	Flexi Busbar 24 x 6
Out	3 x 25mm ²	4 x 2,5 - 6mm ²	1 x 6 - 16mm ²	1 x 6 - 16mm ²	2 x 6 - 25mm ²	2 x 6 - 35mm ²	2 x 6 - 35mm ²
Out	-	2 x 2,5 - 16mm ²	6 x 2,5 - 16mm ²	6 x 2,5 - 16mm ²	5 x 2,5 - 16mm ²	5 x 2,5 - 16mm ²	5 x 2,5 - 16mm ²
Out	-	-	-	-	4 x 2,5 - 10mm ²	4 x 2,5 - 10mm ²	4 x 2,5 - 10mm ²
Icw	-	3kA	4,2kA	11,8kA	51kA	24,5kA	24,5kA
Ipk	5kA	22kA	30kA	30kA	24.5kA	51kA	51kA
Ui	400V	1000V	1000V	1000V	1000V	1000V	1000V



Accessories

Terminal extension for connecting flexible busbar or bolted lug to 250 and 400 Amp models

Amps	Code
250	FLG250
400	FLG400

NEW

DISTRIBUTION BLOCKS

2 Pole Distribution Blocks - DIN rail or screw mounting. Protection: Transparent cover & screen



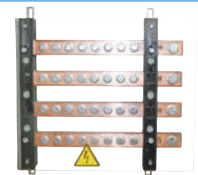
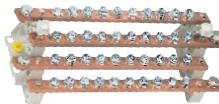
Code	E563720	E563900	E563800
Amperage	40A	100A	125A
Size	50 x 50 x 130mm	50 x 50 x 64mm	50 x 50 x 94mm
In	2 x 6-16mm ² (Ø6mm)	1 x 10 - 25mm ² (Ø8.5mm)	1 x 10-35mm ² (Ø9.5mm)
Out	15 x 1,5-4mm ² (Ø4.3mm)	3 x 1,5 - 4mm ² (Ø4.5mm)	5 x 2,5-6mm ² (Ø5.5mm)
Out	-	3 x 2,5 - 6mm ² (Ø5.5mm)	1 x 10-25mm ² (Ø7.5mm)
lcw	4,5kA	4,5kA	4,5kA
lpk	22kA	20kA	25kA
Ui	500 V	500 V	690 V

4 Pole Distribution Blocks - DIN rail or screw mounting. Protection: Transparent cover & screen



Code	E563740	BD10074	BD125114	BD16084	BD160135
Amperage	40A	100A	125A	160A	160A
Size	50 x 90 x 100mm	45 x 98 x 72mm	45 x 98 x 109mm	70 x 136 x 133mm	70 x 136 x 186mm
In	2 x 6-16mm (Ø6mm)	1 x 6-35mm ² (Ø9mm)	1 x 10-35mm ² (Ø9mm)	1 x 16-50mm ² (Ø12mm)	1 x 16-50mm ² (Ø12mm)
Out	11 x 1,5-4mm (Ø4.3mm)	1 x 4-25mm ² (Ø8mm)	2 x 6-25mm ² (Ø8mm)	1 x 10-35mm ² (Ø9mm)	2 x 10-35mm ² (Ø9mm)
Out	-	5 x 1,5-10mm ² (Ø6mm)	2 x 4-16mm ² (Ø6.9mm)	1 x 6-25mm ² (Ø8mm)	2 x 6-25mm ² (Ø8mm)
Out	-	-	6 x 1,5-10mm ² (Ø6mm)	5 x 4-16mm ² (Ø7mm)	8 x 4-16mm ² (Ø7mm)
lcw	4,5kA	6kA	6kA	6kA	6kA
lpk	22kA	20kA	22kA	24kA	24kA
Ui	500V	750V	750V	750V	750V

All supplied with cover

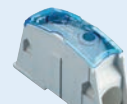
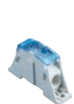


Code	BBD25011	BB40011	E563190
Amperage	250A	400A	630A
D x H x W	67 x 190 x 280	110 x 175 x 299	60 x 338 x 340
In	1 x M8	1 x M8	1 x Ø 10mm
Out	10 x M6	10 x M6	8 x M8
lcw	15kA	15kA	46kA
lpk	30kA	30kA	96kA
Ui	1000V	1000V	1000V

NEW

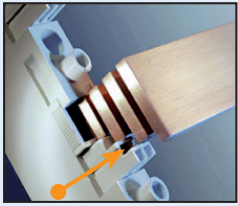
SINGLE POLE POWER BLOCK TERMINALS

ERICO
DIN rail or screw mounting. Can lock together for multipole applications.

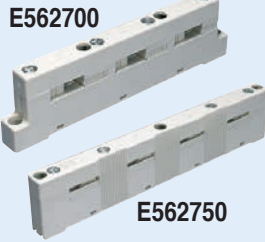


Code	E561150	E561158	E561151	E561159	E561152	E561154	E561156
Amperage	80A	125A	160A	250A	400A	400A	630A
Description	Power Block	Power Block	Power Block	Power Block	Power Block	Power Block	Power Block
In	1 x 16mm ²	1 x 35mm ²	1 x 70mm ²	1 x 120mm ²	1 x 240mm ²	1 x 240mm ²	1 x 500mm ²
Out	1 x 16mm ²	1 x 35mm ²	1 x 70mm ²	1 x 120mm ²	1 x 240mm ²	2 x 120mm ²	1 x 500mm ²
lcw	3,0kA	6,0kA	14,4kA	14,4kA	28,8kA	28,8kA	60kA
lpk	25kA	25kA	42kA	42kA	51kA	51kA	51kA
Ui	1000VAC/1500VDC	1000VAC/1500VDC	1000VAC/1500VDC	1000VAC/1500VDC	1000VAC/1500VDC	1000VAC/1500VDC	1000VAC/1500VDC

BUSBAR SUPPORTS



integral locating block which slides



Adjustable Busbar Supports - 160-630A

V = ≤1000VAC/1500VDC. Universal Busbar Support

Code	System	Busbar Support	Ctn
E562700	3Ph	15 x 10, 15 x 5, 20 x 10, 20 x 5, 25 x 10, 25 x 5, 30 x 10, 30 x 5	1
E562750	3Ph+N	15 x 10, 15 x 5, 20 x 10, 20 x 5, 25 x 10, 25 x 5, 30 x 10, 30 x 5	1

Conforms to standard: IEC 60439-1



Flat Busbar Supports - 630-1200A

V = ≤1000VAC/1500VDC

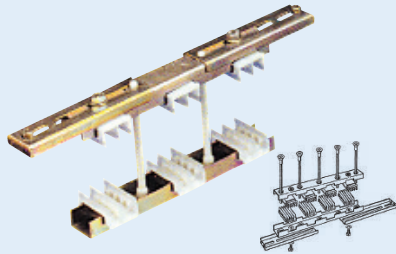
Code	System	Busbar Support	Ctn
E562800	3Ph	60 x 10	4

Conforms to standard: IEC 60439-1

Inserts for Smaller Busbar

(order 2/phase)

Code	Busbar	Ctn
E562820	30 x 10	24
E562830	40 x 10	24
E562840	50 x 10	24



Universal Busbar Supports

Type tested. One part number per complete support. -40 to 130°C. Extension arms provided for ease of mounting

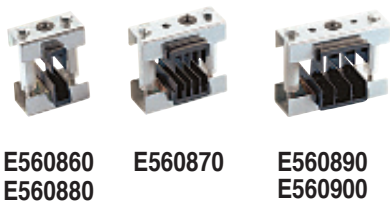
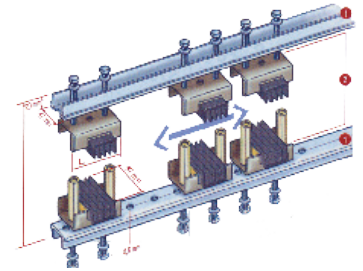
Code	System	Busbar Width	Busbar Thickness	Bars per Phase	Max. Amps
E551060	3Ph+N	30-120	10	1	2250A
E551010	3Ph+N	30-120	10	2	3600A
E551080	3Ph	30-120	10	2	3600A

For details of kA and spacing to suit different busbar sizes, contact our technical support team or visit our website. Conforms to standard: IEC 60439-1



ABS Range

- Adjustable Busbar Support - Up to 7400A
- Freedom to select the desired distance between phases
- Extremely robust construction
- Universal Fixing System
- Time saving due to rapid assembly process
- Working temp -40°C up to 130°C • Up to 7400Amps
- Panels: 300 - 900mm
- Bars: 50 - 200mm



Profiles

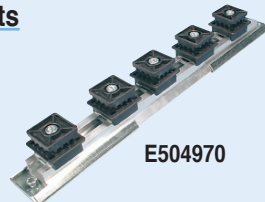
Code	Description
E560930	Aluminium Profile Punched 25mm hole pitch 2m length
E560940	Aluminium Profile Plain to be drilled 2m length

Modules

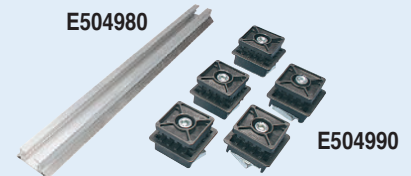
E560860	1/5 1Bar 50 - 125 x 5mm per phase
E560870	4/5 2, 3 or 4 Bars 50 - 125 x 5mm per phase
E560880	1/10 1 Bar 50 - 120 x 10mm per phase
E560890	2/10 2 Bars 50 - 120 x 10mm per phase
E560900	3/10 3 Bars 50 - 120 x 10mm per phase

Adjustable Flat Busbar Supports

Up to 1600A
For bar Width: 30 to 80mm
Bar thickness: 5 or 10mm

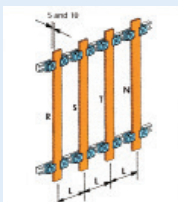


Up to 2000A
For bar Width: 30 to 125mm
Bar thickness: 5 or 10mm

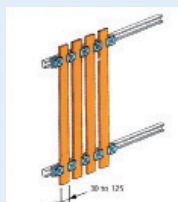


Code	Description	Code	Description
E504970	For 3P+N kit (Aluminium rail 549mm + 5 insulator blocks)	E504980	Aluminium rail - 2m
		E504990	Insulator Blocks

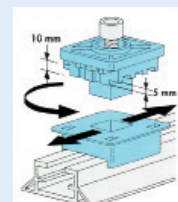
Application



2 Insulators per bar, distance between phases can be adjusted by sliding



1 Insulator can support 2 bars. Fixed distance between bars (34mm)



Adjust to busbar thickness (5 or 10mm) by simply rotating the insulator

NEUTRAL & EARTH BARS, DISTRIBUTION BLOCKS

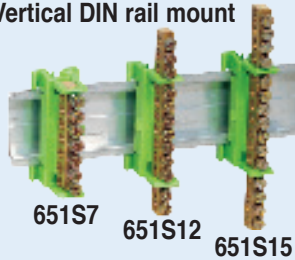


SP6X9
SP8X12



E6X8
E8X12

Vertical DIN rail mount



651S7 651S12 651S15

Horizontal DIN rail mount 1614



167



GGH-30-100

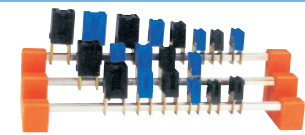
Pre-assembled Neutral and Earth Bars

Code	Wire Size	No. of Way	Bus Size	Rating	Length	Colour
SP6X9/6-*	16mm ²	6	6 x 9	70A	58mm	Blue
SP6X9/12-*	16mm ²	12	6 x 9	70A	102mm	Black
SP8X12/6-*	25mm ²	6	8 x 12	100A	77mm	Green
SP8X12/12-*	25mm ²	12	8 x 12	100A	128mm	Green

* Add colour to code: ● BL (Blue), ● BK (Black), ● GN (Green)

E6X8/5	16mm	5	6 x 9	70A	56mm	Grey
E6X8/10	16mm	10	6 x 9	70A	112mm	Grey
E6X8/15	16mm	15	6 x 9	70A	168mm	Grey
E8X12/5	25mm	5	8 x 12	100A	71mm	Grey
E8X12/10	25mm	10	8 x 12	100A	142mm	Grey
E8X12/15	25mm	15	8 x 12	100A	213mm	Grey
651S7G	16mm	7	6 x 9	70A	55mm	Green
651S7B	16mm	7	6 x 9	70A	55mm	Blue
651S12G	16mm	12	6 x 9	70A	88mm	Green
651S12B	16mm	12	6 x 9	70A	88mm	Blue
651S15G	16mm	15	6 x 9	70A	106mm	Green
651S15B	16mm	15	6 x 9	70A	106mm	Blue
167	16mm	7	6 x 9	70A	59mm	Grey
1614	16mm	2 x 7	6 x 9	70A	51mm	Grey
1628	16mm 25mm	12 2 } x 2	6 x 9	70A	105mm	Grey
GGH-30-100	16mm 25mm	7 1	10 x 2	100A	105mm	Black

Application



SKG

SKG

NLS5X7



To order complete:

- Supports
- Busbars
- Terminals



SB-2

SB-3
AB-3

Self Assembled Busbar System – Terminals with insulating cap

Colour	Application	4mm ² Code	16mm ² Code	35mm ² Code
Blue	N	SKG4BU	SKG16BU	SKG35BU
Green/Yellow	Earth	SKG4GNYE	SKG16GNYE	SKG35GNYE
Black	L1, L2, L3	SKG4BK	SKG16BK	SKG35BK

Width: 4mm² = 7mm, 16mm² = 10mm, 35mm² = 15mm

Busbar, tin plated, 5 x 7mm, 150A rated, 500mm(L)

NLS5X7

Supports

Code	Bar	Size (mm)
SB-1	1	25mm (H)
SB-2	2	42mm (H)
SB-3	3	47mm (H) x 54mm (D)
AB-3	3	69mm (H) x 74mm (D)

Supports SB-1/2/3 & AB-3 supplied in pairs

Neutral and Earth Bars

Code	Size (mm)	Length	No. of Way	No. of Row
NB-7X9	7 x 9	500mm	72	1
NB-8X12	8 x 12	500mm	57	1
NB-12X12/2	12 x 12	500mm	62	2
NB-BASE	Screw Mounting Base for all sizes			
FT08	7 x 9	70mm	8	1
FT10	7 x 9	75mm	10	1
FT10A	7 x 9	105mm	10	1
FT14	7 x 9	110mm	14	1



NB-7X9



NB-8X12



NB-12X12/2



FT08



FT10



FT10A



FT14



NB-BASE

FLEXIBLE BUSBARS

- 1mm Copper Laminations
- 1000V
- -40° to 105°C
- Supplied in 2m Lengths



Code	Size (mm)	No. of Copper Laminations	Max. Current at T Δ (°K)			Cross Section
			50°C	40°C	30°C	
FLB2015	20 x 5	5	490A	430A	300A	100mm ²
FLB2414	24 x 4	4	460A	410A	280A	96mm ²
FLB2415	24 x 5	5	530A	470A	330A	120mm ²
FLB24110	24 x 10	10	790A	700A	500A	240mm ²
FLB3215	32 x 5	5	610A	550A	390A	160mm ²
FLB3218	32 x 8	8	800A	720A	510A	256mm ²
FLB4015	40 x 5	5	710A	630A	450A	200mm ²
FLB40110	40 x 10	10	1030A	920A	670A	400mm ²
FLB5015	50 x 5	5	880A	780A	540A	250mm ²
FLB50110	50 x 10	10	1300A	1100A	750A	500mm ²
FLB6315	63 x 5	5	1000A	900A	650A	315mm ²
FLB63110	63 x 10	10	1450A	1300A	920A	630mm ²
E552900	80 x 5	5	1175A	1050A	910A	400mm ²
E552920	80 x 8	8	1600A	1430A	1240A	640mm ²
E552930	80 x 10	10	1775A	1585A	1375A	800mm ²

*ADMISSIBLE CURRENTS - This table indicates the Temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the Switchgear.

Accessories

Drilling Devices				Drill Guides		Busbar Connectors				Tinned Copper Plates				Flexible Bar Spacers	
						<i>No holes in busbar required</i>				(5mm thick)					
Code	Size (mm)			Code	Drill Ø (mm)	Code	Size (mm)		Code	Size (mm)				Code	Bar Width (mm)
	A	B	C				A	B		A	B	C	Ø		
JS-20	20.5	25	50	JW-7	7	JM-21	23	18	JP-32	30	30	5	-	JD-20	20
JS-24	24.5	25	50	JW-9	9	JM-30	30	30	JP-40	40	40	5	-	JD-32	24-32
JS-32	32.5	32.5	60	JW-11	11	JM-40	40	40	JP-50	50	50	5	-	JD-50	40-50
JS-40	40.5	37.5	70	JW-13	13	JM-43	42	33	JP-60	60	60	5	-	JD-63/100	63-80-100
JS-50	50.5	42.5	80			JM-54	53	42	JP-32W1	30	30	5	9		
JS-63	63.5	50	85			JM-55	53	53	JP-40W1	40	40	5	11		
						JM-64	64	42							
						JM-66	64	64							

Insulated Braided Shunts - U_i = 1000V. Max. temperature 105°C

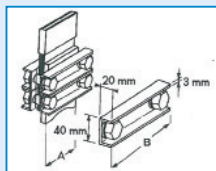
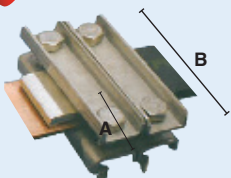


Code	CSA	Length*	Max. Current at Δ T 50°C			Hole Size Ø
			1 per Phase	2 per Phase†	3 per Phase†	
BRS25230	25mm ²	230mm	187A	299A	374A	6,5mm
BRS25330	25mm ²	330mm	187A	299A	374A	6,5mm
BRS25430	25mm ²	430mm	187A	299A	374A	6,5mm
BRS50230	50mm ²	230mm	280A	448A	560A	8.5/10.5mm
BRS50330	50mm ²	330mm	280A	448A	560A	8.5/10.5mm
BRS50430	50mm ²	430mm	280A	448A	560A	8.5/10.5mm
E558511	50mm ²	630mm	280A	448A	560A	8.5/10.5mm
E558529	120mm ²	330mm	400A	640A	840A	10.5mm
E558530	120mm ²	430mm	400A	640A	840A	10.5mm
E558532	120mm ²	630mm	400A	640A	840A	10.5mm

* Measured between hole centres. † Connected in parallel



HCBC HIGH CURRENT BUSBAR CLAMP



Code	Type	A (mm)	B (mm)
E553100	HSBC 80	80	140
E553110	HSBC 100	100	160
E553120	HSBC 120	120	180

Designed with non-magnetic materials for high current connections between flexible and rigid busbars e.g. Transformer Terminals

Note that copper prices fluctuate. Please check prices.

COPPER BARS



ETP Copper 99.9% min
Conductivity: 100 IACS
Tensile Strength: 275N/mm² min

Standard Solid Copper Busbars

Code	Dimensions W x D (mm)	Length	Current Rating
CUB020X5	20 x 5	3m	200A
CUB025X5	25 x 5	3m	250A
CUB030X5	30 x 5	3m	300A
CUB030X10	30 x 10	3m	600A
CUB040X10	40 x 10	3m	800A
CUB050X10	50 x 10	3m	1000A
CUB060X10	60 x 10	3m	1200A
CUB080X10	80 x 10	3m	1600A
CUB100X10	100 x 10	3m	1600A-2000A

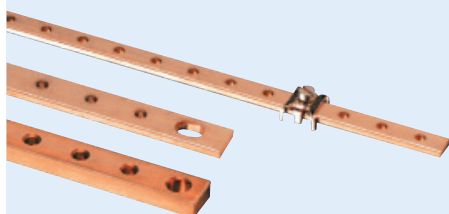
Busbar current ratings at ambient temperature of 35°C and Busbar temperature of 65°C

Copper Earthing Strap



Code	Description	Length
CUS-10	12 x 0.4 with 7mm Ø holes	10m roll

Copper Busbars – Electrolytic copper, threaded and plated. Short lengths for distribution

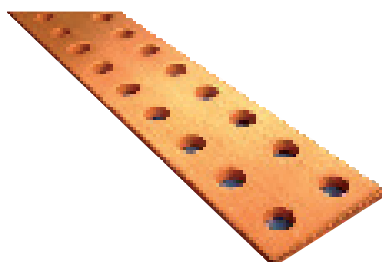


Code	Size	Length	Rating*	Holes	
				Qty	Size
BFC154	15 x 4	200mm	120A	10	M5
BFC205	20 x 5	200mm	200A	10	M6
BFC256	25 x 6	200mm	300A	10	M6
BFC305	30 x 5	300mm	300A	15	M6
BFC3010	30 x 10	300mm	600A	15	M8
BFC4010	40 x 10	300mm	800A	15	M10
BFC4510	45 x 10	300mm	900A	15	M12

*Current Rating in accordance with SANS 1473 and SANS 1765

Double Perforated Bars

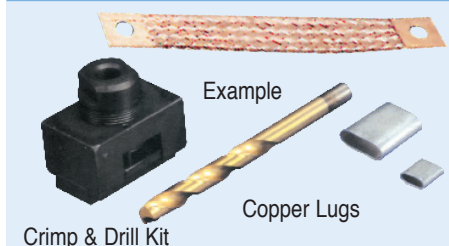
Electrolytic copper, threaded & plated



Code	Size (mm)	Cross- Section (mm ²)	L (mm)	Current Rating
BD50X5	50 x 5	250	1750	580A
BD60X5	60 x 5	300	1750	680A
BD80X5	80 x 5	400	1750	880A
BD100X5	100 x 5	500	1750	1030A

10mm holes every 25mm spacing

Make your own Braided Connections



Nominal Current	Flat Plain Copper Braid 25m Coils	CSA (mm ²)	Size (mm)	Crimp & Drill Kit	Bolt Size	Tinned Copper Lugs per 100
120A	E557040	16	15 x 1.5	E558610	M6	E557180
				E558640	M8	
150A	E557060	25	23 x 1.5	E558620	M10	E557190
250A	E557100	50	28 x 3	E558630	M12	E557380

COPPER BRAIDS FOR EARTHING CONNECTIONS

Ready Made Tinned Copper Braid



Code	Cross Section mm ²	Hole Ø mm	L* mm	Max Current	Code	Cross Section mm ²	Hole Ø mm	L* mm	Max Current
CR6-100	6	6.5	100	40A	CR16-250	16	8.5	250	120A
CR6-150	6	6.5	150	40A	CR16-300	16	8.5	300	120A
CR10-100	10	6.5	100	75A	CR25-150	25	10.5	150	150A
CR10-150	10	6.5	150	75A	CR25-200	25	10.5	200	150A
CR10-200	10	6.5	200	75A	CR25-250	25	10.5	250	150A
CR10-250	10	6.5	250	75A	CR35-150	35	10.5	150	195A
CR16-100	16	8.5	100	120A	CR35-200	35	10.5	200	195A
CR16-150	16	8.5	150	120A	CR35-250	35	10.5	250	195A

*Measured between hole centres

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