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Enclosures, Boxes & Equipment Racking



Material Selection Chart

	ABS	Polystyrene (PS)	Polycarbonate (PC)	Polyester (GRP)	Aluminium (Diecast)	Steel (Painted)
Outdoor Use	●	●●	●●●●	●●●●●	●●●●	●●●
Ease of machining	●●●●●	●●●	●●●●●	●●	●●	●●
Temperature Range	●●●	●●●	●●●●	●●●●	●●●	●●●●
Light weight	●●●●●	●●●●●	●●●●●	●●●	●●	●
High Rigidity	●	●	●●	●●●●	●●●●●	●●●●
Impact Resistant	●●●	●●	●●●●	●●●●	●●●●	●●●●
Chemical Reistance						
■ Salt Water	●●	●●	●●●●●	●●●●●	If Coated	●●
■ Acid (mild)	●●●●	●●●●	●●●●	●●●●	●●	●●
■ Alkali (mild)	●●●●	●●●●	●●●●	●●●●	●	●●
■ Hydraulic Oil	●	●	●●	●●●●●	●●●●●	●●
■ Petroleum	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●
■ Alcohol	●●●	●●●	●●●●	●●●●	●●●●●	●●
■ Solvents	●	●	●	●●●●	●●●●●	●●
■ Coolants	●●●●	●●●●●	●●●	●●●●●	●●●	●●
This table represents only standard values and is designed as a guide. Appropriate preliminary tests are therefore recommended. No responsibility can be accepted for the accuracy of the specifications.					Key ●●●●● = Excellent ● = Poor	

18

Enclosures, Boxes & Equipment Racking

Potting Boxes

Potting (with fixing lugs)



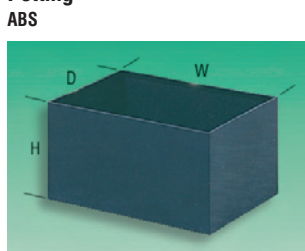
● Low cost grey potting box

External Dimensions			
H	W	D	
19	36	24	
24	50	30	
27	55	42	

224365

Mfrs. List No.	Order Code	Price Each				
		10+	50+	100+	+	+
GPL05	645-643	1.03	0.98	0.88	--	--
GPL1	301-152	1.00	0.94	0.94	--	--
GPL2	301-164	1.49	1.40	1.30	--	--

Potting



● Low cost, black potting box

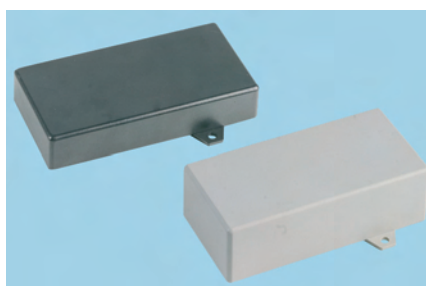
External Dimensions			Mfrs. List No.	Order Code
H	W	D		
15	30	20	PB1	301-176
20	40	40	PB2	301-188
30	50	50	PB3	301-190
35	70	50	PB4	301-206
25	100	50	PB5	301-218

224366

Order Code	Price Each				
	10+	50+	100+	+	+
301-176	1.24	1.04	1.00	--	--
301-188	1.57	1.44	1.44	--	--
301-190	2.15	1.98	1.79	--	--
	5+	10+	50+	+	+
301-206	2.62	2.47	2.34	--	--
301-218	2.52	2.37	2.34	--	--

Project & General Purpose

Smartbox Cases



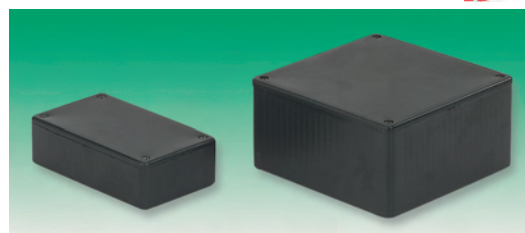
- Universal cases with mounting ears on the lid for easy installation anywhere
- Ideal for small electronic devices
- Moulded in polystyrene (UL94HB)
- Easy assembly by self-tapping screws
- Colours: Black RAL 9004 or White RAL 9002

Dimensions (mm)			Colour	Mfrs. List No.	Order Code
Length	Width	Depth			
57	38	20	Black	SR01-E.9	831-2028
57	38	20	White	SR01-E.7	831-2036
76	63.5	26	Black	SR22-E.9	831-2044
76	63.5	26	White	SR22-E.7	831-2052
76	63.5	41	Black	SR23-E.9	831-2060
76	63.5	41	White	SR23-E.7	831-2079
128	64	26	Black	SR33-E.9	831-2087
128	64	26	White	SR33-E.7	831-2095
128	64	41	Black	SR34-E.9	831-2109
128	64	41	White	SR34-E.7	831-2117

381082

Mfrs. List No.	Order Code	Price Each			
		1+	10+	25+	+
SR01-E.9	831-2028	10.71	9.81	9.37	--
SR01-E.7	831-2036	11.32	10.35	9.91	--
SR22-E.9	831-2044	28.49	26.05	24.51	--
SR22-E.7	831-2052	30.10	27.49	25.85	--
SR23-E.9	831-2060	31.17	28.56	26.88	--
SR23-E.7	831-2079	29.53	27.05	25.48	--
SR33-E.9	831-2087	33.11	30.30	28.46	--
SR33-E.7	831-2095	33.11	30.30	28.46	--
SR34-E.9	831-2109	33.28	30.43	28.59	--
SR34-E.7	831-2117	33.28	30.43	28.59	--

Polystyrene '1591S Series' IP54



Product Watch
 • FREE to all account holders
 • Notification of obsolete, end of line and end of stock items
 • Replacement or upgrade recommendations

Advanced warning of obsolete components

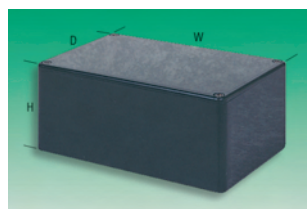


- Economical black plastic box ideally suited for mounting PC boards
- Includes vertical card guides
- Two piece lap joint construction provides protection against dust and splashing water (IP54)
- Lid is secured with self-tapping screws
- No "gate" marks on bottom of enclosure

230583

Mfrs. List No.	L	W	D	Order Code	1+	5+	10+	25+	+
1591LSBK	85	56	39	353-6488	4.80	4.42	4.08	3.70	--
1591ASBK	100	50	25	353-6490	5.04	4.64	4.28	3.88	--
1591BSBK	112	62	31	353-6506	5.34	4.91	4.54	4.11	--
1591CSBK	120	65	40	353-6518	7.32	6.73	6.22	5.64	--
1591DSBK	150	80	50	353-6520	9.36	8.61	7.96	7.21	--
1591ESBK	191	110	61	353-6531	12.96	11.92	11.02	9.98	--
1591GSBK	121	94	34	353-6543	9.12	8.39	7.75	7.02	--
1591HSBK	165	71	29	353-6555	7.20	6.62	6.12	5.54	--
1591MSBK	85	56	25	353-6567	5.34	4.91	4.54	4.11	--
1591SSBK	110	82	44	353-6579	8.76	8.06	7.45	6.75	--
1591TSBK	120	80	59	353-6580	9.42	8.67	8.01	7.25	--
1591USBK	120	120	59	353-6592	10.02	9.22	8.52	7.72	--
1591VSBK	120	120	94	353-6609	11.52	10.60	9.79	8.87	--

Miniature
ABS (Impact Resistant)

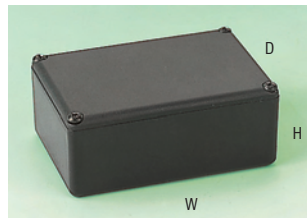


- Can easily be drilled or punched
- Lid retained by four self-tapping screws

230584

External Dimensions	Order Code			Price Each					
	H	W	D	1+	25+	50+	+	+	+
Black									
25	75	56	645-698	3.24	3.15	2.93	--	--	--
27	75	51	4496	3.24	3.15	2.93	--	--	--
24	113	59	8637	4.39	4.25	3.92	--	--	--
White									
25	75	56	645-687	3.24	3.12	2.93	--	--	--
27	75	51	4596	3.28	3.19	2.96	--	--	--
24	113	59	8649	4.39	4.25	3.92	--	--	--
Grey									
25	75	56	645-639	3.24	3.12	2.93	--	--	--
27	75	51	4636	3.28	3.19	2.96	--	--	--
24	113	59	8650	4.39	4.25	3.92	--	--	--

Miniature - 'RX Range' ABS

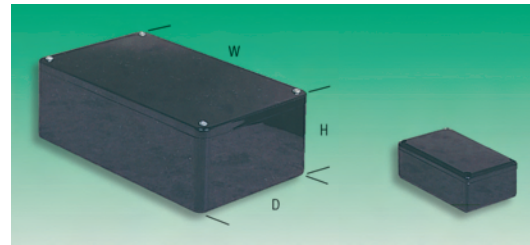


- Finished in matt black
- Lid retained by four black No 2 self-tappers

203461

External Dimensions	Order Code			Price Each			
	H	W	D	5+	50+	100+	+
10.5	25.5	17	117-1581	1.81	1.77	1.67	--
12.2	45	20	117-1589	2.81	2.75	2.61	--
14	54	24	117-1590	2.98	2.91	2.78	--
16	63	28	117-1591	3.31	3.25	3.11	--
16	34	24	117-1582	1.91	1.84	1.81	--
18	40	28	117-1583	2.21	2.11	2.04	--
20	46	32	117-1584	2.38	2.31	2.24	--
23	54	38	117-1585	2.95	2.88	2.75	--
25	64	43	117-1587	3.21	3.15	3.01	--
29	74	49	117-1588	3.35	3.28	3.15	--

'Multipurpose'
ABS



- Polished black finish
- Easy to assemble with screw-on lids (screws supplied)
- Optimum use of internal space

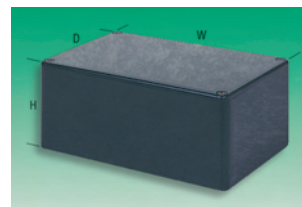
Operating temperature -40 to + 80°C

External Dimensions			Lid		Mfrs. List No.	Order Code
H	W	D	Fixing Centres			
25	72	50	65.5x43.5		75-1413E	465-859
36.5	120	80	106x66		75-2860J	465-860
56.5	180	110	164x94		75-2861D	465-872

218894

	Order Code	Price Each		
		1+	10+	50+
Small	465-859	4.56	--	--
Medium	465-860	8.90	8.57	8.18
Large	465-872	14.83	14.14	13.50

Multipurpose (PCB Guides)
ABS (Impact Resistant)



- Wide range of multipurpose boxes
- Integral PCB guides (except 301-292, 301-371 and 645-722)
- Lid retained by M3.5 screws into brass inserts

External Dimensions			No. Screws	Finish	Mfrs. List No.			Grey (RAL7032)
H	W	D			Black	White		
40	79	61	4	Gloss MB1	MB1W		MB1G	
41	100	76	4	Gloss MB2	MB2W		MB2G	
45	98	118	4	Gloss MB3	MB3W		MB3G	
50	80	150	4	Gloss MB8	MB8W		MB8G	
60	100	150	4	Gloss MB5	MB5W		MB5G	
83	177	120	4	Matt MB7	MB7W		MB7G	
85	216	130	6	Matt MB4	MB4W		MB4G	
64	220	150	6	Matt MB6	MB6W		MB6G	

230592

Mfrs. List No.	Order Code	Price Each			
		1+	50+	100+	+
Black					
MB1	301-243	6.07	5.53	4.78	--
MB2	301-255	6.90	6.24	5.43	--
MB3	301-267	7.85	7.09	6.18	--
MB4	301-279	23.24	21.09	18.27	--
MB5	301-280	10.84	9.82	8.55	--
MB6	301-292	17.64	16.02	13.88	--
MB7	301-309	14.88	13.49	11.73	--
MB8	301-310	9.41	8.52	7.41	--
White					
MB1W	301-322	6.07	5.53	4.78	--
MB2W	301-334	6.82	6.18	5.36	--
MB3W	301-346	7.82	7.05	6.11	--
MB4W	301-358	23.24	21.09	18.27	--
MB5W	301-360	10.80	9.82	8.52	--
MB6W	301-371	17.64	16.02	13.88	--
MB7W	301-383	14.88	13.49	11.73	--
MB8W	301-395	9.41	8.52	7.41	--
Grey					
MB1G	301-401	6.07	5.53	4.78	--
MB2G	301-413	6.90	6.24	5.43	--
MB3G	301-425	7.85	7.09	6.18	--
MB4G	645-710	23.24	21.09	18.27	--
MB5G	301-437	10.84	9.82	8.55	--
MB6G	645-722	17.64	16.02	13.88	--
MB7G	645-795	14.88	13.49	11.73	--
MB8G	645-709	9.41	8.52	7.41	--

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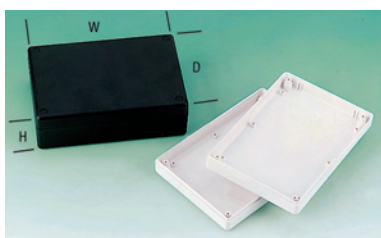
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Enclosures, Boxes & Equipment Racking

Compliant
Non-compliant
+ Limited stock - RoHS replacement available

RoHS

Multipurpose - 'Adaptable' (PCB Guides)
ABS



- Attractive matt finish
- Vertical PCB guides and bosses moulded in lid and base of box
- Lid screws can be inserted from either side and can be hidden by matching covers

Mfrs. List No:	AB77W=938-889	AB88=938-877	AB99W=536-8698
	AB78=938-865	AB88W=938-907	AB910W=536-8716
	AB77=938-853	AB78W=938-890	

224368

External Dimensions			Order Code	Price Each			
H	W	D		1+	10+	50+	+
Black							
36	178	122	938-853	9.08	8.58	8.03	--
55	178	122	938-865	9.87	9.43	8.78	--
74	178	122	938-877	10.87	10.34	9.65	--
White							
36	178	122	938-889	9.08	8.58	8.03	--
55	178	122	938-890	9.87	9.43	8.78	--
74	178	122	938-907	10.87	10.34	9.65	--
40	240	190	536-8698	23.37	22.26	20.92	--
65	240	190	536-8716	24.14	23.03	21.63	--

Multipurpose (PCB Guides)



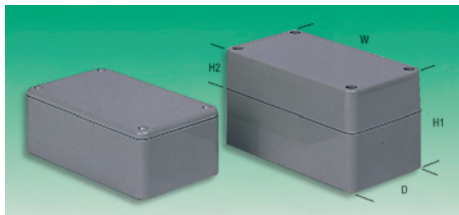
- Polished white finish
- Lid retained by 4 3.5mm countersunk plated screws into brass inserts
- PCB slots provided in base of 531-868 and in both halves of 531-870

External Dimensions			Wall Thickness (nom.)	Order Code
H	W	D		
30	143	82	3	531-856
44	143	82	3	531-868
58	143	82	3	531-870

230605

Mfrs. List No.	Order Code	1+	50+	100+	+
BM11W	531-856	8.02	7.05	6.31	--
BM12W	531-868	8.35	7.28	6.60	--
BM22W	531-870	9.15	8.09	7.22	--

Multipurpose '2000 Series' (PCB Guides)



- ABS boxes with shallow or deep lids
- Heat resistant to 85°C
- PCB mounting slots on all sides for 1.5mm thick boards
- Close fitting flanged lid

Mfrs List No.	W	H1	D
Standard			
BIM 2000/10/GY	75	27	50
BIM 2001/11/GY	85	40	56
BIM 2002/12/GY	100	25	50
BIM 2003/13/GY	112	31	62
BIM 2004/14/GY	120	40	65
BIM 2005/15/GY	150	50	80
BIM 2006/16/GY	190	60	110
BIM 2008/18/GY	55	42	55
BIM 2009/19/GY	250	65	200
BIM 2030/30/GY	142	30	80

231166

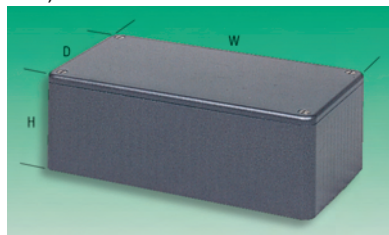
Deep Lid	W	H1	H2	D
BIM 2002/22/GY/GY	100	40	19	50
BIM 2004/24/GY/GY	120	60	24	65
BIM 2005/25/GY/GY	150	76	30	80
BIM 2006/26/GY/GY	190	90	34	110

Colour	Mfrs. List No.	Order Code	Price Each			
			1+	50+	100+	+
Standard						
Grey	BIM 2000/10/GY	117-1676	4.85	4.42	4.08	--
Grey	BIM 2001/11/GY	117-1678	7.13	6.36	5.89	--
Grey	BIM 2002/12/GY	117-1679	7.00	5.93	5.73	--
Grey	BIM 2003/13/GY	117-1681	8.24	7.30	6.86	--
Grey	BIM 2004/14/GY	117-1682	8.40	7.13	6.76	--
Grey	BIM 2005/15/GY	117-1684	10.18	8.67	8.24	--
Grey	BIM 2006/16/GY	117-1686	18.65	15.90	15.20	--
Grey	BIM 2008/18/GY	117-1688	5.46	5.06	4.55	--
Grey	BIM 2009/19/GY	117-1691	22.20	18.98	18.23	--
Grey	BIM 2030/30/GY	117-1692	9.27	8.04	7.70	--
Deep Lid						
Grey	BIM 2002/22/GY/GY	117-1680	7.30	6.46	6.06	--
Grey	BIM 2004/24/GY/GY	117-1683	9.54	8.20	7.70	--
Grey	BIM 2005/25/GY/GY	117-1685	12.09	10.31	9.91	--
Grey	BIM 2006/26/GY/GY	117-1687	20.46	17.44	16.61	--

RFI/EMI Shielded - '2000 Series' (PCB Guides)



ABS (Impact Resistant)



- High impact resistant dark grey ABS, internally coated with nickel acrylic
- Internally moulded vertical PCB guides
- Supplied with supports for horizontal PCB mounting

218887

External Dimensions			Order Code	Price Each			
H	W	D		1+	10+	25+	+
42	55	55	117-1600	8.91	8.20	7.37	--
27	75	50	117-1592	8.91	8.20	7.53	--
40	85	56	117-1593	11.38	10.45	9.44	--
25	100	50	117-1594	8.70	8.54	8.24	--
31	112	62	117-1595	10.61	9.94	9.24	--
40	120	65	117-1596	10.65	10.35	10.04	--
50	150	80	117-1597	14.20	13.66	13.39	--
60	190	110	117-1599	21.59	20.99	20.26	--

Multipurpose - ABS



IP65, Quick Release Screws



- Inexpensive ABS enclosures with high quality, smooth, easy clean external finish
- Transparent polycarbonate or grey ABS lid
- Captive quarter-turn stainless steel lid screws are spring loaded, immune to vibration and ensure reliable sealing
- Temperature range -40°C to +80°C
- Easy terminal rail or PCB mounting is achieved via the multiple internal mounting pillars which can be used with either self-tapping screws or M3 screws and threaded brass inserts (both supplied)

Gasket	Neoprene round seal
Protection	IP65
Lid Screws	Stainless Steel, Multi-purpose cross head, Quick release
Operating temp	-40°C to +80°C
Colour	RAL 7035



External Dimensions			Order Code	Price Each			
H	W	D		1+	10+	20+	+
Grey Lidded							
35	52	50	179-626▲‡	14.40	13.12	11.73	--
55	82	80	177-789▲‡	24.71	22.28	20.23	--
55	120	80	177-790▲‡	28.09	25.39	23.07	--
55	122	120	179-627▲‡	34.98	31.53	28.91	--
55	160	80	177-791▲‡	31.84	28.70	26.28	--
75	200	120	177-792▲‡	48.67	43.82	40.61	--
75	200	150	424-5775▲‡	53.89	48.49	45.80	--
85	122	120	424-5738▲‡	40.44	36.38	34.37	--
85	160	80	424-5714▲‡	34.88	31.36	29.62	--
90	160	120	424-5751▲‡	42.83	38.52	36.38	--
90	240	160	177-794▲‡	60.68	54.74	51.19	--
100	240	120	177-793▲‡	57.00	50.37	45.59	--
110	300	230	424-5830▲‡	131.69	118.51	111.93	--
120	240	160	424-5799▲‡	77.12	69.42	65.55	--
150	360	200	424-5817▲‡	146.22	131.62	124.29	--
Transparent Lidded							
55	82	80	207-834▲‡	28.93	26.29	23.89	--
55	120	80	207-846▲‡	32.21	29.11	26.48	--
55	122	120	207-858▲‡	43.67	39.43	35.54	--
55	160	80	207-860▲‡	35.87	32.32	29.59	--
75	200	120	207-871▲‡	63.01	56.74	52.60	--
75	200	150	424-5787▲‡	56.07	50.47	47.67	--
85	122	120	424-5740▲‡	38.27	34.42	32.64	--
85	160	80	424-5726▲‡	38.12	34.29	32.38	--
90	160	120	424-5763▲‡	46.48	41.80	39.48	--
90	240	160	207-895▲‡	70.43	63.55	59.45	--
100	240	120	207-883▲‡	56.21	50.29	45.73	--
110	300	230	424-5842▲‡	134.07	120.67	113.98	--
120	240	160	424-5805▲‡	80.02	72.04	68.01	--
150	360	200	424-5829▲‡	150.53	135.48	127.93	--

218895

External Dimensions			Order Code	Price Each			
H	W	D		1+	10+	20+	+
Grey Lidded							
35	52	50	101-6351●	14.40	13.12	11.73	--
55	82	80	101-6342●	24.71	22.28	20.23	--
55	120	80	101-6343●	28.09	25.39	23.07	--
55	122	120	101-6352●	34.98	31.53	28.91	--
55	160	80	101-6344●	31.84	28.70	26.28	--
75	200	120	101-6345●	48.67	43.82	40.61	--
75	200	150	101-6423●	53.89	48.49	45.80	--
85	122	120	101-6419●	40.44	36.38	34.37	--
85	160	80	101-6417●	34.88	31.36	29.62	--
90	160	120	101-6421●	42.83	38.52	36.38	--
90	240	160	101-6347●	60.68	54.74	51.19	--
100	240	120	101-6346●	57.00	50.37	45.59	--
110	300	230	101-6431●	131.69	118.51	111.93	--
120	240	160	101-6425●	77.12	69.42	65.55	--
150	360	200	101-6427●	146.22	131.62	124.29	--
Transparent Lidded							
55	82	80	101-6353●	28.93	26.29	23.89	--
55	120	80	101-6354●	32.21	29.11	26.48	--
55	122	120	101-6355●	43.67	39.43	35.54	--
55	160	80	101-6356●	35.87	32.32	29.59	--
75	200	120	101-6357●	63.01	56.74	52.60	--
75	200	150	101-6424●	56.07	50.47	47.67	--
85	122	120	101-6420●	38.27	34.42	32.64	--
85	160	80	101-6418●	38.12	34.29	32.38	--
90	160	120	101-6422●	46.48	41.80	39.48	--
90	240	160	101-6359●	70.43	63.55	59.45	--
100	240	120	101-6358●	56.21	50.29	45.73	--
110	300	230	101-6432●	134.07	120.67	113.98	--
120	240	160	101-6426●	80.02	72.04	68.01	--
150	360	200	101-6429●	150.53	135.48	127.93	--

IP65 ABS Industrial Enclosure

Euromass II



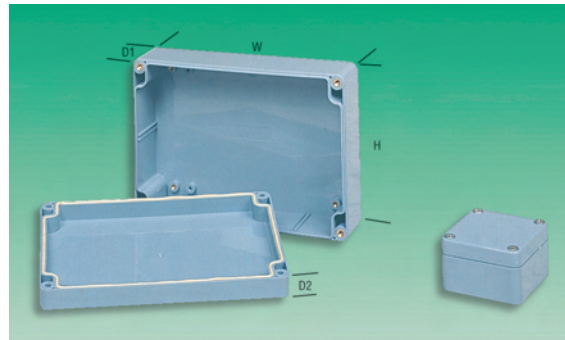
- Completely recyclable boxes, moulded in grey ABS
- Recessed lid for membrane keypad or label
- Fitted with quick-release stainless steel screws
- Bosses fitted in base and lid
- PCB guide slots available on selected sizes

224370

External Dimensions			PCB Guide Slots	Order Code	Price Each		
H	W	D			1+	10+	25+
52	50	37	No	723-290▲	9.47	8.64	7.90
65	50	37	No	121-7464●	13.43	12.76	12.09
82	60	57	No	121-7465●	15.80	15.03	14.26
98	64	38	No	121-7466●	16.54	15.74	14.90
122	120	37	No	121-7467●	21.26	20.22	19.18
200	120	57	No	121-7468●	32.71	31.14	29.50
120	80	57	No	121-7469●	20.76	19.75	18.72
65	50	37	No	NEW 445-5964	13.70	13.02	12.33
82	60	57	Yes	NEW 445-5976	16.12	15.33	14.55
98	64	38	No	NEW 445-5988	16.87	16.05	15.20
82	80	57	No	NEW 445-5990	18.20	17.28	16.42
122	120	37	No	NEW 445-6002	21.69	20.62	19.56
200	120	57	Yes	NEW 445-6014	32.71	31.14	29.50
120	80	57	No	NEW 445-6026	21.18	20.15	19.09
122	120	57	No	723-307▲	25.48	23.13	21.16
160	80	57	No	121-7470●	23.57	22.40	21.26
200	120	77	No	121-7472●	35.76	33.98	32.24
160	80	57	No	NEW 445-6038	24.04	22.85	21.69
200	120	77	Yes	NEW 445-6040	36.48	34.66	32.88
200	150	77	No	723-332▲	50.71	46.26	42.16
240	80	60	No	121-7473●	32.07	30.50	28.93
240	80	60	Yes	NEW 445-6051	32.71	31.11	29.51
160	80	37	Yes	NEW 445-6063	18.51	17.58	16.71
160	80	87	Yes	723-319▲	26.18	23.80	21.70
200	150	37	Yes	NEW 445-6075	33.41	31.81	30.13
160	120	92	Yes	723-320▲	44.03	40.10	36.59
250	160	57	No	121-7474●	45.63	43.39	41.15
250	160	92	No	121-7475●	48.38	43.86	43.66
250	160	57	Yes	NEW 445-6087	45.63	43.39	41.15
250	160	92	Yes	NEW 445-6099	48.38	43.86	43.66
250	160	122	Yes	723-344▲	72.85	66.41	60.54
300	160	120	No	121-7476●	63.85	60.73	57.62
300	160	120	Yes	NEW 445-6105	65.13	61.94	58.77

Multipurpose IP65, ABS

multicomp



- Easily drilled or punched
- Tongue and groove sealing system with neoprene gasket
- Operating temperature range -20°C to +80°C

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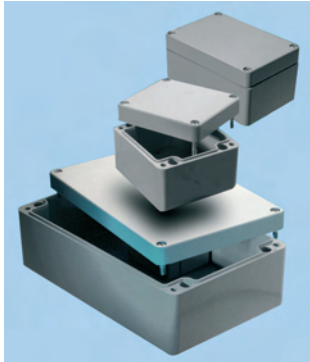
External Dimensions				Order Code	Price Each			
H	W	D1	D2		1+	25+	50+	+
50	52	25	10	117-5794●	7.16	6.52	5.97	--
58	64	25	10	109-4697●	15.15	13.36	12.01	--
65	115	25	15	109-4698●	19.89	15.88	12.99	--
65	115	35	15	109-4699●	20.51	17.58	14.37	--
80	82	40	15	117-5795●	12.42	11.30	10.34	--
90	115	40	15	109-4700●	21.54	18.53	15.76	--
90	115	65	15	109-4704●	28.47	24.67	21.06	--
120	120	30	30	117-5800●	22.23	20.18	18.51	--
120	120	60	30	117-5801●	23.73	21.58	19.78	--
121	171	40	15	109-4702●	31.62	26.46	21.61	--
121	171	40	40	109-4705●	37.39	32.52	27.68	--
80	195	45	10	109-4706●	32.14	27.92	23.79	--
146	222	40	15	109-4703●	46.59	37.99	31.13	--
146	222	40	35	109-4707●	49.86	43.33	36.89	--
160	80	40	15	117-5796●	20.53	18.33	16.76	--
160	80	70	15	117-5797●	21.81	19.80	18.13	--
160	160	30	30	117-5802●	32.79	29.79	27.30	--
160	160	60	30	117-5803●	34.74	31.91	29.32	--
200	120	60	15	117-5799●	27.31	24.85	22.76	--



Watertight Heavy Duty Polyester



NEW



Moulded from grey, glass reinforced polyester. Heavy duty thick wall design includes a gasketed lid with two piece "tongue and groove" construction. Designed to meet **IP65**. Includes internal mounting shelf, internal mounting nuts moulded into box and self captivated lid screws.

Length	Width	Depth	Order Code
80	75	55	762-6339
110	75	55	762-6347
120	122	90	762-6355
160	75	55	762-6363
160	160	90	762-6371
220	120	90	762-6380
260	160	90	762-6398

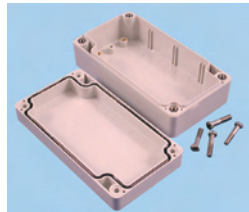
Note: Depth includes lid 346109

Mfrs. List No.	Order Code	1+	5+	10+	25+	+
1590ZGRP081	762-6339	35.38	32.48	30.07	27.18	--
1590ZGRP082	762-6347	39.14	35.94	33.27	30.07	--
1590ZGRP121	762-6355	66.33	60.90	56.38	50.95	--
1590ZGRP083	762-6363	43.15	40.24	37.25	33.66	--
1590ZGRP161	762-6371	86.66	79.57	73.66	66.57	--
1590ZGRP123	762-6380	76.16	69.93	64.74	58.51	--
1590ZGRP162	762-6398	83.23	76.42	70.74	63.93	--

Watertight ABS



NEW



- Ideally suited for mounting printed circuit boards or DIN rail mounted components
- Manufactured from General purpose ABS plastic which carries a flammability rating of **UL94 HB**.
- Light grey in colour (RAL7035)
- Gasketed lid with two piece "tongue and groove" construction provides protection against access of oil, dust and water
- Gasket is factory poured using high temperature UL listed silicon gasket material
- Designed to meet **IP66** and **NEMA 4, 4X, 12** and **13** ratings
- Lid is secured with self captivated - M4 stainless steel machine screws (included) threaded into integral stainless steel bushings
- Internal DIN rail mounting tabs - moulded in all except 4080804
- Threaded M3 internal brass inserts and/or standoffs designed for M3.5 or #6 self tapping screws for P.C. board or inner panel mounting in all but 404-0750
- Vertical P.C. card guides are moulded in all but 404-0750

Length	Width	Depth	Order Code	Length	Width	Depth	Order Code
65	65	40	408-0750	160	90	90	408-1067
120	65	40	408-0786	120	120	60	408-1109
120	65	60	408-0828	120	120	80	408-1146
90	90	60	408-0865	160	160	60	408-1171
120	90	60	408-0919	160	160	90	408-1213
120	90	80	408-0956	180	120	90	408-1250
180	120	60	408-0981	200	120	90	408-1304
160	90	60	408-1020	240	160	90	408-1353

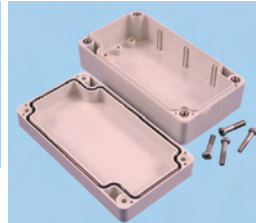
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Mfrs. List No.	Order Code	1+	5+	10+	+	+
1554BGY	408-0750	15.57	14.46	13.26	--	--
1554CGY	408-0786	14.70	--	--	--	--
1554DGY	408-0828	22.50	20.86	19.15	--	--
1554EGY	408-0865	20.76	19.28	17.64	--	--
1554FGY	408-0919	25.36	21.71	20.05	--	--
1554GGY	408-0956	25.95	24.07	22.06	--	--
1554HGY	408-0981	39.85	34.11	30.93	--	--
1554JGY	408-1020	31.41	27.90	--	--	--
1554KGY	408-1067	29.50	26.82	25.91	--	--
1554NGY	408-1109	27.86	25.81	24.94	--	--
1554PGY	408-1146	29.80	27.69	26.68	--	--
1554RGY	408-1171	34.58	32.11	29.46	--	--
1554SGY	408-1213	38.03	35.29	32.34	--	--
1554TGY	408-1250	41.52	38.47	35.29	--	--
1554UGY	408-1304	50.72	43.41	39.36	--	--
1554VGY	408-1353	56.55	50.60	45.88	--	--

Watertight Polycarbonate



NEW



- Ideally suited for mounting printed circuit boards or DIN rail mounted components
- Manufactured from General purpose ABS plastic which carries a flammability rating of **UL94 HB**
- Light grey in colour (RAL7035)
- Gasketed lid with two piece "tongue and groove" construction provides protection against access of oil, dust and water
- Gasket is factory poured using high temperature UL listed silicon gasket material
- Designed to meet **IP66** and **NEMA 4, 4X, 12** and **13** ratings
- Lid is secured with self captivated - M4 stainless steel machine screws (included) threaded into integral stainless steel bushings
- Internal DIN rail mounting tabs - moulded in all except 4080804
- Threaded M3 internal brass inserts and/or standoffs designed for M3.5 or #6 self tapping screws for P.C. board or inner panel mounting in all but 408-9322
- Vertical P.C. card guides are moulded in all but 408-9322

Length	Width	Depth	Order Code	Length	Width	Depth	Order Code
65	65	40	407-9322	160	90	60	408-1079
180	120	60	407-9334	120	120	60	408-1122
120	65	40	408-0804	120	120	90	408-1158
120	65	60	408-0830	160	160	60	408-1195
90	90	60	408-0890	160	160	60	408-1237
120	90	60	408-0932	180	120	90	408-1274
120	90	80	408-0968	200	120	90	408-1328
160	90	60	408-1043	200	160	90	408-1377

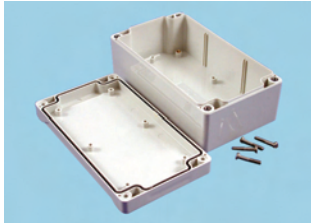
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Mfrs. List No.	Order Code	1+	5+	10+	+	+
1554B2GY	407-9322	19.05	17.64	16.17	--	--
1554H2GY	407-9334	45.28	38.76	35.14	--	--
1554C2GY	408-0804	29.70	25.43	23.05	--	--
1554D2GY	408-0830	30.17	27.99	26.98	--	--
1554E2GY	408-0890	22.93	21.33	20.56	--	--
1554F2GY	408-0932	31.14	28.89	26.45	--	--
1554G2GY	408-0968	37.70	34.95	33.71	--	--
1554J2GY	408-1043	29.43	27.25	25.01	--	--
1554K2GY	408-1079	31.14	28.86	27.86	--	--
1554N2GY	408-1122	31.14	28.89	26.45	--	--
1554P2GY	408-1158	32.78	30.40	29.36	--	--
1554R2GY	408-1195	43.47	37.21	33.74	--	--
1554S2GY	408-1237	42.59	39.51	38.13	--	--
1554T2GY	408-1274	57.97	51.87	47.03	--	--
1554U2GY	408-1328	48.41	44.90	41.18	--	--
1554V2GY	408-1377	72.77	63.90	59.04	--	--

ABS Watertight Enclosure



NEW



- Ideally suited for mounting printed circuit boards
- General purpose ABS plastic (material carries a UL flammability rating of UL94 HB)
- Color is a light grey (RAL 7035)
- Gasketed lid with two piece "tongue & groove" construction provides protection against access of oil, dust and water

- Gasket is factory poured using high temperature **UL** listed - silicone rubber gasket material
- Designed to meet **IP66** & **NEMA 4, 4X, 12** & **13** ratings
- Lid is secured with self captivated - M4 stainless steel machine screws (included), threaded into integral stainless steel bushings (for repetitive assembly & disassembly)
- All stainless steel hardware to avoid corrosion caused by dissimilar metals
- Available in either ABS or Polycarbonate

	Length	Width	Depth	Mfrs. List No.	Order Code
ABS	65	65	40	1555BGY	100-9488
	120	90	80	1555GGY	100-9489
	160	90	90	1555KGY	100-9490
	200	120	90	1555UGY	100-9491
Polycarbonate	65	65	40	1555B2GY	100-9492
	120	90	80	1555G2GY	100-9493
	160	90	90	1555K2GY	100-9494
	200	120	90	1555U2GY	100-9495

415763

Mfrs. List No.	Order Code	1+	5+	10+	25+
ABS					
1555BGY	100-9488	14.51	13.36	12.35	11.20
1555GGY	100-9489	24.19	22.28	20.59	18.68
1555KGY	100-9490	29.02	26.73	24.70	22.41
1555UGY	100-9491	45.15	41.58	38.43	34.86
Polycarbonate					
1555B2GY	100-9492	18.15	16.66	15.43	13.94
1555G2GY	100-9493	37.95	34.84	32.26	29.15
1555K2GY	100-9494	31.35	28.78	26.65	24.08
1555U2GY	100-9495	46.20	42.42	39.27	35.49

ABS Miniature - '1551' Series



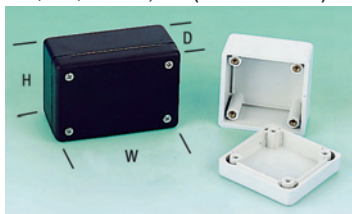
- Ideally suited for mounting printed circuit boards
- 2 PCB stand-offs moulded into interior
- Two piece lap joint construction provides protection against dust accumulation and splashing water (IP54)
- Satin-textured finish, assemblies with two self-tapping screws

Mfrs. List No.	L	W	D	Order Code	1+	10+	50+	100+	+
Black									
1551NBK	35	35	15	NEW 100-9496	2.62	2.42	2.24	2.03	--
1551MBK	35	35	20	NEW 100-9499	2.73	2.51	2.32	2.11	--
1551QBK	40	40	15	NEW 100-9501	2.73	2.51	2.32	2.11	--
1551PBK	40	40	20	NEW 100-9504	2.84	2.61	2.41	2.19	--
1551FBK	50	35	15	NEW 100-9506	2.84	2.61	2.41	2.19	--
1551GBK	50	35	20	353-6415	2.68	2.46	2.28	2.07	--
1551SBK	50	50	15	NEW 100-9508	2.94	2.70	2.50	2.27	--
1551RBK	50	50	20	NEW 100-9510	3.04	2.80	2.59	2.35	--
1551JBK	60	35	15	NEW 100-9512	3.04	2.80	2.59	2.35	--
1551HBK	60	35	20	353-6427	2.75	2.61	2.41	2.19	--
1551LBK	80	40	15	NEW 100-9514	3.15	2.90	2.68	2.43	--
1551KBK	80	40	20	353-6439	2.94	2.70	2.50	2.27	--
Grey									
1551NGY	35	35	15	NEW 100-9498	2.62	2.42	2.24	2.03	--
1551MGY	35	35	20	NEW 100-9500	2.73	2.51	2.32	2.11	--
1551QGY	40	40	15	NEW 100-9502	2.73	2.51	2.32	2.11	--
1551PGY	40	40	20	NEW 100-9505	2.84	2.61	2.41	2.19	--
1551FGY	50	35	15	NEW 100-9507	2.84	2.61	2.41	2.19	--
1551GGY	50	35	20	353-6440	1.96	1.81	1.67	1.51	--
1551SGY	50	50	15	NEW 100-9509	2.94	2.70	2.50	2.27	--
1551RGY	50	50	20	NEW 100-9511	3.04	2.80	2.59	2.35	--
1551JGY	60	35	15	NEW 100-9513	3.04	2.80	2.59	2.35	--
1551HGY	60	35	20	353-6452	2.19	2.01	1.86	1.69	--
1551LGY	80	40	15	NEW 100-9516	3.15	2.90	2.68	2.43	--
1551KGY	80	40	20	353-6464	2.48	2.28	2.11	1.92	--
Key Ring Kit (19mm dia.)									
1427KR				353-6476	1.38	1.27	1.17	1.06	--

Multipurpose - '1594 Series' (High Impact)



IP54/IP65/Shielded, ABS (Flame Retardant)



- Rugged electronic instrument boxes, ideal for mounting PCBs
- 3mm thick walls allow box to be used in harsh environments
- Flammability rating of **UL94V-0**

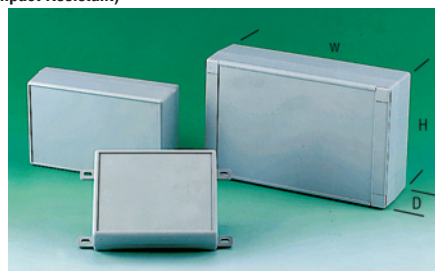
External Dimensions			Mfrs. Part No.		Price Each	
H	W	D	Order Code	1+	5+	10+
IP54 Black						
56	56	40	1594ABK	722-741	9.67	9.21
56	81	40	1594BBK	722-765	10.51	9.92
66	105	45	1594CBK	722-789	11.80	11.23
66	131	55	1594DBK	722-807	13.22	12.53
107	167	65	1594EBK	722-820	19.48	18.47

External Dimensions			Mfrs. Part No.		Price Each		
H	W	D	Order Code	1+	5+	10+	
IP54 Grey							
56	56	40	1594AGY	722-753	9.67	9.21	
56	81	40	1594BGY	722-777	10.51	9.92	
66	105	45	1594CGY	722-790	11.80	11.23	
66	131	55	1594DGY	722-819	13.22	12.53	
107	167	65	1594EGY	722-832	19.48	18.47	
IP65 Black							
56	56	40	1594AWBK	722-844	15.35	14.55	
56	81	40	1594BWBK	722-856	13.93	13.25	
66	105	45	1594CWBK	722-868	15.93	15.09	
66	131	55	1594DWBK	722-870	18.38	17.46	
107	167	65	1594EWBK	722-881	25.03	23.76	
Accessories							
Black Belt Clip, Black	1599CLIP	353-6282	3.61	3.37	3.11		
Grey Belt Clip, Grey	1599CLIPGY	353-6294	3.61	3.37	3.11		

Multipurpose - 'Series 7000' (PCB Guides)



IP65, ABS (Impact Resistant)



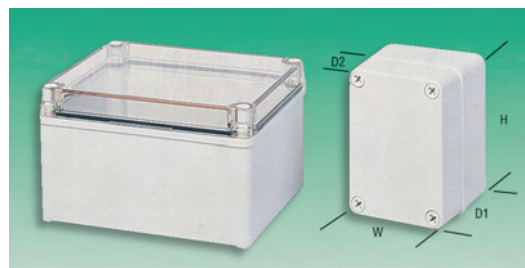
- Aesthetically pleasing: screw fixings are hidden behind plastic covers
- Keypad area of different sizes is provided on base and lid
- Guides for PCB in vertical mode are incorporated in base and lid together with 5mm high bosses for horizontal fixing
- Can be sealed to IP65 with an optional neoprene gasket
- Optional wall mounting kit available

External Dimensions				Price Each				
H	W	D	Size	Order Code	1+	10+	25+	50+
Boxes								
55	90	25	1	117-1633	10.01	9.81	9.61	--
55	90	40	2	117-1634	10.35	10.14	9.94	--
85	110	35	3	117-1635	12.15	11.92	11.65	--
75	127	30	4	117-1636	13.06	12.82	12.56	--
75	127	45	5	117-1637	13.53	13.26	12.96	--
90	145	45	6	117-1638	18.41	18.05	17.68	--
120	190	60	7	117-1639	22.97	22.53	22.10	--
145	220	50	8	117-1642	26.08	25.55	25.04	--
145	220	80	9	117-1643	27.62	27.05	26.55	--
Gaskets								
			1 & 2	939-006	3.32	2.93	2.63	2.21
			3	939-018	3.61	3.19	2.86	2.34
			4 & 5	939-020	4.45	3.90	3.45	2.96
			6	939-031	4.67	4.19	3.64	3.12
			7	939-043	5.33	4.75	4.19	3.58
			8 & 9	939-055	6.40	5.69	5.04	4.29
					Price Per Set			
Wall Mounting Kit (set of 4)				117-1644	4.02	3.72	3.31	--

Multipurpose - 'Piccolo'



IP67, PC



- Double insulated, moulded in halogen-free polycarbonate
- Available with grey or transparent lid
- Flammability tested to **UL94V-2**
- Optional chassis plates available
- Lid and base have tongue and groove system with polyurethane gasket
- Operating temperature range -40°C to 100°C



	Grey Lidded	Transparent Lidded	External Dimensions			Nominal		Chassis Plate Size
			H	W	D ₁	D ₂		
	100-4114	100-4121	110	80	65	20	1	
	100-4115	100-4122	110	80	85	40	1	
	100-4117	100-4123	140	80	65	20	2	
	100-4118	100-4124	170	80	85	40	3	
	100-4119	100-4125	170	140	95	20	4	
	100-4120	100-4126	230	140	95	20	5	

218881

	Order Code	Price Each			
		1+	10+	20+	60+
Grey Lidded					
	100-4114	41.14	36.38	32.56	--
	100-4115	42.32	38.17	34.22	--
	100-4117	45.56	40.20	36.07	--
	100-4118	56.31	49.76	44.64	--
	100-4119	75.50	66.64	59.82	--
	100-4120	87.50	77.26	69.34	--
Transparent Lidded					
	100-4121	41.14	36.38	32.56	--
	100-4122	46.50	41.16	36.86	--
	100-4123	45.56	40.20	36.07	--
	100-4124	56.31	49.76	44.64	--
	100-4125	68.87	62.00	55.64	--
	100-4126	87.50	77.26	69.34	--
Chassis Plates					
Size 1	112-3655	1.98	1.74	1.63	--
Size 2	112-3656	2.57	2.28	2.09	--
Size 3	112-3657	3.35	2.96	2.79	--
Size 4	112-3659	7.13	6.27	5.62	4.91
Size 5	112-3661	7.23	6.33	6.09	--



NEW

ABS Miniature Flanged Enclosure



- Ideally suited for mounting small printed circuit boards or used as potting boxes
- Flanged lid is perfect for wall or shelf mounting or suspending with a tie wrap
- Molded in a choice of black or grey - general purpose ABS plastic
- Satin texture finish

- Complete with lid and two self tapping screws
- Screws are color matched to enclosure (nickel plated screws with grey enclosures and black plated with black enclosures)
- 2 P.C. board standoffs molded into interior
- Lap joint construction provides protection against access of dust and splashing water
- Designed to meet IP54

Length	Width	Depth	Mfrs. List No.	Order Code
35	35	15	1551NFLBK	100-9445
35	35	15	1551NFLGY	100-9446
35	35	20	1551MFLBK	100-9447
35	35	20	1551MFLGY	100-9449
40	40	15	1551QFLBK	100-9451
40	40	15	1551QFLGY	100-9452
40	40	20	1551PFLBK	100-9453
40	40	20	1551PFLGY	100-9454
50	35	15	1551FFLBK	100-9456
50	35	15	1551FFLGY	100-9457
50	35	20	1551GFLBK	100-9458
50	35	20	1551GFLGY	100-9459
50	50	15	1551SFLBK	100-9460
50	50	15	1551SFLGY	100-9462
50	50	20	1551RFLBK	100-9463
50	50	20	1551RFLGY	100-9464
60	35	15	1551JFLBK	100-9465
60	35	15	1551JFLGY	100-9466
60	35	20	1551HFLBK	100-9467
60	35	20	1551HFLGY	100-9468
80	40	15	1551LFLBK	100-9469
80	40	15	1551LFLGY	100-9470
80	40	20	1551KFLBK	100-9471
80	40	20	1551KFLGY	100-9472

415759

Mfrs. List No.	Order Code	Price Each			
		1+	5+	10+	25+
Black					
1551NFLBK	100-9445	3.35	3.09	2.85	2.59
1551MFLBK	100-9447	3.48	3.21	2.96	2.69
1551QFLBK	100-9451	3.48	3.21	2.96	2.69
1551PFLBK	100-9453	3.61	3.33	3.07	2.79
1551FFLBK	100-9456	3.61	3.33	3.07	2.79
1551GFLBK	100-9458	3.74	3.45	3.18	2.89
1551SFLBK	100-9460	3.81	3.50	3.24	2.94
1551RFLBK	100-9463	3.87	3.56	3.29	2.99
1551JFLBK	100-9465	3.87	3.56	3.29	2.99
1551HFLBK	100-9467	3.93	3.62	3.35	3.04
1551LFLBK	100-9469	4.00	3.68	3.40	3.09
1551KFLBK	100-9471	4.06	3.74	3.46	3.14

Mfrs. List No.	Order Code	Price Each			
		1+	5+	10+	25+
Grey					
1551NFLGY	100-9446	3.35	3.09	2.85	2.59
1551MFLGY	100-9449	3.48	3.21	2.96	2.69
1551QFLGY	100-9452	3.48	3.21	2.96	2.69
1551PFLGY	100-9454	3.61	3.33	3.07	2.79
1551FFLGY	100-9457	3.61	3.33	3.07	2.79
1551GFLGY	100-9459	3.74	3.45	3.18	2.89
1551SFLGY	100-9462	3.81	3.50	3.24	2.94
1551RFLGY	100-9464	3.87	3.56	3.29	2.99
1551JFLGY	100-9466	3.87	3.56	3.29	2.99
1551HFLGY	100-9468	3.93	3.62	3.35	3.04
1551LFLGY	100-9470	4.00	3.68	3.40	3.09
1551KFLGY	100-9472	4.06	3.74	3.46	3.14

General Purpose Polystyrene



NEW

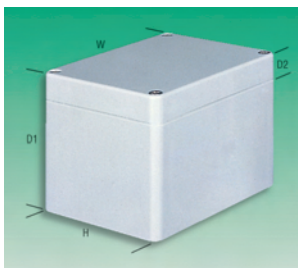
General purpose enclosure moulded in economical black polystyrene plastic featuring two piece "lap joint" construction. Designed for applications where the enclosure needs to be easily wall or shelf mounted or where extra security is required by restricting access to lid screws. Provides protection against dust accumulation and splashing water. Designed to meet IP54. Integral card guides accept 1.5mm P.C. cards. Lid secured with 4 x 0.5" self-tapping philips screws.

Length	Width	Depth	Order Code	Length	Width	Depth	Order Code
85	56	25	762-6002	120	120	59	762-6070
85	56	39	762-6010	120	120	94	762-6088
100	50	25	762-6029	121	94	34	762-6096
110	82	44	762-6037	150	80	50	762-6100
112	62	31	762-6045	165	71	29	762-6118
120	65	40	762-6053	191	110	61	762-6126
120	80	59	762-6061				

346106

Mfrs. List No.	Order Code	Price Each				
		1+	5+	10+	25+	+
1591MSFLBK	762-6002	5.40	4.97	4.59	4.16	--
1591LSFLBK	762-6010	4.74	4.36	4.03	3.65	--
1591ASFLBK	762-6029	5.04	4.64	4.28	3.88	--
1591SSFLBK	762-6037	8.76	8.06	7.45	6.75	--
1591BSFLBK	762-6045	5.40	4.97	4.59	4.16	--
1591CSFLBK	762-6053	7.32	6.73	6.22	5.64	--
1591TSFLBK	762-6061	9.42	8.67	8.01	7.25	--
1591USFLBK	762-6070	10.08	9.27	8.57	7.76	--
1591VSFLBK	762-6088	11.52	10.60	9.79	8.87	--
1591GSFLBK	762-6096	9.12	8.39	7.75	7.02	--
1591DSFLBK	762-6100	9.36	8.61	7.96	7.21	--
1591HSFLBK	762-6118	7.20	6.62	6.12	5.54	--
1591ESFLBK	762-6126	12.96	11.92	11.02	9.98	--

Multipurpose IP65, PC



- Polycarbonate boxes sealed to IP65
- Wall mounting holes and lid fixing screws outside sealed area
- Operating temperature range -40°C to +100°C

External Dimensions				Wall Thickness	Order Codes
H	W	D ₁	D ₂		
50	52	35	10	3	117-5784
58	65	35	10	3	109-4690
65	115	40	15	3	109-4691
65	115	55	15	3	109-4692
80	82	55	15	3	117-5785
90	115	40	15	3	109-4693
90	115	80	15	3	109-4708
120	120	30	30	3	117-5790
120	120	60	30	3	117-5791
121	171	55	15	3	109-4694
121	171	80	40	3	109-4709
80	195	55	10	3	579-695
146	222	55	15	3	109-4696
146	222	75	35	3	109-4710

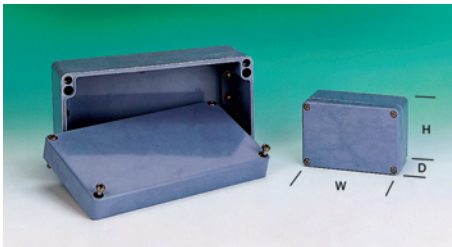


External Dimensions				Wall	Order Codes
H	W	D ₁	D ₂	Thickness	
160	80	55	15	3	117-5787
160	80	85	15	3	117-5788
160	160	60	30	3	117-5792
160	160	90	30	3	117-5793
200	120	75	15	3	117-5789

218906

Order Code	Price Each			
	1+	25+	50+	+
117-5784	7.55	6.91	6.29	--
109-4690	18.53	16.38	14.69	--
109-4691	27.14	23.95	21.48	--
109-4692	28.70	25.38	22.69	--
117-5785	17.55	15.95	14.59	--
109-4693	29.48	26.03	23.37	--
109-4708	38.38	32.27	28.47	--
117-5790	29.98	27.25	24.97	--
117-5791	32.37	29.40	26.94	--
109-4694	41.83	36.17	32.47	--
109-4709	57.01	49.03	41.77	--
579-695	48.91	42.84	36.53	--
109-4696	42.05	37.90	33.45	--
109-4710	70.36	61.65	52.59	--
117-5787	24.82	22.56	20.69	--
117-5788	26.58	24.19	22.14	--
117-5792	42.69	37.96	34.85	--
117-5793	44.67	40.60	37.23	--
117-5789	35.68	31.81	29.15	--

Heavy Duty - Polyester
IP65



- High impact, thick walled, glass-fibre reinforced polyester enclosures
- Resistant to most chemicals, including oil, petrol, acid and saltwater
- IP65
- Captive stainless steel lid screws
- Temperature range -40°C to +80°C
- Easy terminal rail or PCB mounting is achieved via the internal mounting shoulders
- Ex type approval **Eexe IIT6** and **Eexe (ia) IIT6**

Gasket Neoprene round seal
Protection IP65
Lid Screws Captive Stainless Steel, Multi-purpose cross head

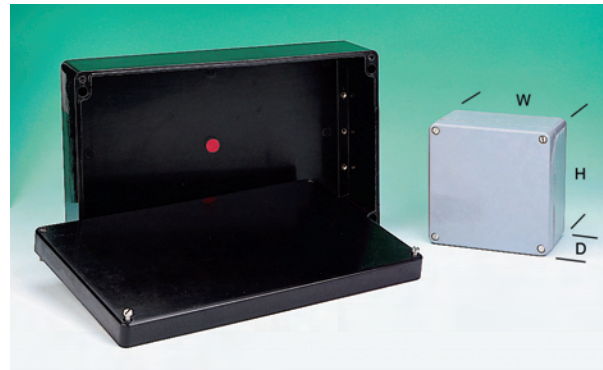
Operating temp -40°C to +80°C
Colour RAL 7000

231169

External Dimensions			Order Code	Price Each			
H	W	D		1+	10+	25+	+
75	80	55	767-505	40.54	37.51	36.52	--
75	80	75	767-517	48.29	44.06	41.39	--
75	110	55	767-529	45.87	41.66	40.48	--
75	110	75	767-530	38.74	35.25	33.18	--
75	160	55	767-542	50.34	45.62	44.39	--
75	160	75	767-554	56.75	51.90	48.56	--
75	190	55	767-566	54.05	49.99	48.67	--
75	190	75	767-578	62.00	57.33	55.80	--
120	122	90	767-580	81.51	73.95	71.94	--
120	220	90	767-591	91.73	84.87	82.58	--
160	160	90	767-608	104.42	96.64	93.99	--
160	260	90	767-610	132.47	120.19	116.92	--
160	360	90	767-621	171.85	159.02	154.69	--
250	255	120	767-645	223.62	206.90	201.27	--
250	400	120	767-657	331.83	306.96	296.55	--

External Dimensions			Order Code	Price Each			
H	W	D		1+	10+	25+	+
75	80	55	101-6382	40.54	37.51	36.52	--
75	80	75	101-6383	48.29	44.06	41.39	--
75	110	55	101-6384	45.87	41.66	40.48	--
75	110	75	101-6385	38.74	35.25	33.18	--
75	160	55	101-6387	50.34	45.62	44.39	--
75	160	75	101-6388	56.75	51.90	48.56	--
75	190	55	101-6389	54.05	49.99	48.67	--
75	190	75	101-6390	62.00	57.33	55.80	--
120	122	90	101-6391	81.51	73.95	71.94	--
120	220	90	101-6392	91.73	84.87	82.58	--
160	160	90	101-6393	104.42	96.64	93.99	--
160	260	90	101-6394	132.47	120.19	116.92	--
160	360	90	101-6395	171.85	159.02	154.69	--
250	255	120	101-6396	223.62	206.90	201.27	--
250	400	120	101-6397	331.83	306.96	296.55	--

EEX 'e' Multipurpose 'Kestrel'
IP66/IP68, GRP (Flame Retardant)



- Glass Reinforced Polyester (GRP) moulding with silicon rubber gasket
- Corrosion resistant with high impact strength
- CENELEC approved. Suitable for indoor or outdoor use
- Flame retardant to **UL94V-0**. Toxicity is halogen and cadmium free
- May be used in Zone 1 or Zone 2 hazardous area
- Available in black (RAL 9011) or grey (RAL7001) finish
- Temperature range -40°C to 100°C



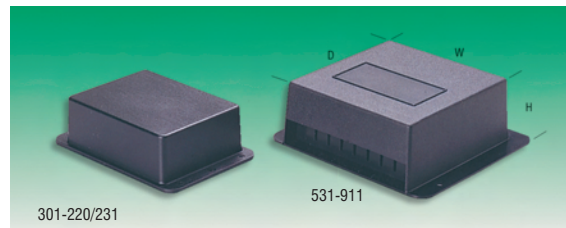
231170

External Dimensions			Order Code	Price Each			
H	W	D		1+	10+	25+	+
Black							
75	80	60	561-563	48.48	45.28	42.36	--
75	110	60	561-575	52.28	48.43	45.26	--
120	125	90	561-587	87.75	83.78	78.04	--
120	220	95	561-599	112.53	106.75	102.64	--
160	160	95	561-605	133.14	121.93	113.27	--
160	260	95	723-757	164.10	152.68	138.65	--
160	360	95	723-769	214.83	193.53	174.95	--
250	255	125	723-770	275.58	247.14	223.49	--
250	400	125	561-617	379.96	354.09	325.91	--
405	400	125	723-794	468.86	420.01	380.59	--
Grey							
75	80	60	723-800	47.53	44.39	41.53	--
75	110	60	723-812	53.33	49.40	46.17	--
120	125	90	723-824	87.75	83.78	78.04	--
120	220	95	723-836	115.94	106.75	102.64	--
160	160	95	723-848	130.53	119.54	111.05	--
160	260	95	723-850	167.38	155.73	141.42	--
160	360	95	723-861	214.83	193.53	174.95	--
250	255	125	723-873	275.58	247.14	223.49	--
250	400	125	723-885	379.96	354.09	325.91	--
250	600	125	723-897	436.41	400.84	364.70	--
405	400	125	723-903	468.86	420.01	380.59	--

Flanged



ABS (Impact Resistant)



301-220, 301-231

- Bases are loose fitted, secured when box is fitted to a panel or bulkhead
- Alternatively, base may be riveted to box flange to form **tamper proof** enclosure

531-911

- Surface mounting box in black ABS with separate self-locking base
- Seven numbered slots provided for wires or 0.25" PCB mounting blades
- Raised panel provided for labels

External Dimensions			Base	Fixing Holes	Fixing Centres	Finish	Mfrs. List No.
H	W	D					
32	84	72	105 x 71	2	95 x 5 dia	Matt	PBL2
46	84	64	115 x 64	6	42 x 100 x 4 dia	Matt	PBL3
42	95	100	112 x 120	3	84 x 108 x 5 dia	Matt	PBL7

218851

Mfrs. List No.	Order Code	Price Each			
		1+	50+	100+	+
PBL2	301-220	4.24	3.71	2.99	--
PBL3	301-231	4.38	3.84	3.09	--
PBL7	531-911	5.60	4.94	4.42	--

18

Enclosures, Boxes & Equipment Racking

Compliant Non-compliant Limited stock - RoHS replacement available

RoHS



Multipurpose (PCB guides) - Flanged Lid
Flame Retardant ABS - Black and Grey

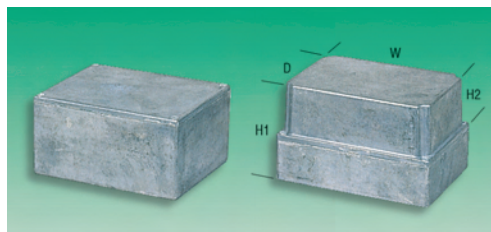


- Integral card guide accepts 1.5mm (0.062") PC cards
- Designed to meet IP54
- Flammability rating of UL 94V-0
- Lid secured with M3 x 10mm Phillips machine screws
- Flanged lid for wall or shelf mounting

Rear Flange Kits		Lid Flange Kits	
Enclosure Type	Flange Kit	Enclosure Type	Flange Kit
1591L	1591F1BK-2	1591L	1591F1BK-2
1591A	1591F1BK-2	1591A	1591F1BK-2
1591B	1591F1BK-2	1591B	1591F1BK-2
1591C	1591F1BK-2	1591C	1591F2BK-2
1591D	1591F2BK-2	1591D	1591F2BK-2
1591E	1591F3BK-2	1591E	1591F3BK-2
1591G	1591F2BK-2	1591G	1591F3BK-2
1591H	1591F1BK-2	1591H	1591F2BK-2
1591S	1591F2BK-2	1591S	1591F3BK-2
1591T	1591F2BK-2	1591T	1591F2BK-2
1591U	1591F3BK-2	1591U	1591F3BK-2
1591V	1591F3BK-2	1591V	1591F3BK-2

Mfrs. List No.	L	W	D	Order Code	1+	5+	10+	25+	+
Grey									
1591CGY	120	65	40	443-7020	10.51	9.92	9.17	8.32	--
1591TGY	120	80	59	443-7032	12.13	11.52	10.65	9.66	--
1591UGY	120	120	59	443-7044	13.93	13.25	12.24	11.11	--
1591VGY	120	120	94	443-7056	16.77	15.86	14.66	13.30	--
1591GGY	121	94	34	443-7068	11.42	10.81	9.99	9.06	--
1591DGY	150	80	50	443-7070	11.80	11.23	10.38	9.41	--
1591HGY	165	71	29	443-7081	11.87	11.29	10.43	9.46	--
1591EGY	191	110	61	443-7093	17.61	16.69	15.43	13.99	--
Flange Kit 2 Pk									
1591F1BK-2				NEW 928-7582	1.26	1.16	1.07	0.97	--
1591F2BK-2				NEW 928-7590	1.32	1.21	1.12	1.02	--
1591F3BK-2				NEW 928-7604	1.38	1.27	1.17	1.06	--

Multipurpose, RFI/EMI Shielded Diecast



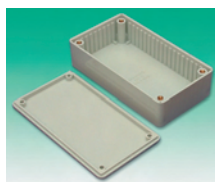
- Aluminium diecast boxes moulded to BS1490.LM2M
- Robust, light weight and easy to machine
- Supplied unpainted, will accept most finishes with minimum preparation
- Available deep or shallow lidded.

External Dimensions				Mfrs. List No.	External Dimensions				Mfrs. List No.
H ₁	H ₂	W	D		H ₁	H ₂	W	D	
Shallow Lidded									
31	4	52	38	11451PSLA	50	23	111	60	27134PDLA
31	4	92	38	27969PSLA	70	40	120	95	29830PDLA
31	4	111	60	27134PSLA	93	40	120	95	26908PDLA
34	4	120	95	29830PSLA	107	32	125	125	11130PDLA
57	4	120	95	26908PSLA	77	32	145	95	10758PDLA
79	4	125	125	11130PSLA					
49	4	145	95	10758PSLA					
57	4	188	120	26827PSLA					
82	4	188	120	26357PSLA					
Deep Lidded									
31	4	52	38	11451PSLA	50	23	111	60	27134PDLA
31	4	92	38	27969PSLA	70	40	120	95	29830PDLA
31	4	111	60	27134PSLA	93	40	120	95	26908PDLA
34	4	120	95	29830PSLA	107	32	125	125	11130PDLA
57	4	120	95	26908PSLA	77	32	145	95	10758PDLA
79	4	125	125	11130PSLA					
49	4	145	95	10758PSLA					
57	4	188	120	26827PSLA					
82	4	188	120	26357PSLA					

218905

Mfrs. List No.	Order Code	1+	5+	10+	25+	+
Shallow Lidded						
11451PSLA	301-504	6.49	5.96	5.53	5.01	--
27969PSLA	301-516	6.93	6.37	5.91	5.35	--
27134PSLA	301-528	8.57	7.87	7.30	6.61	--
29830PSLA	301-530	13.85	13.03	12.08	10.94	--
26908PSLA	301-541	15.56	14.30	13.26	12.00	--
11130PSLA	301-553	23.81	21.89	20.30	18.37	--
10758PSLA	301-565	18.90	17.37	16.11	14.58	--
26827PSLA	301-589	23.31	21.42	19.87	17.98	--
26357PSLA	301-590	31.69	29.12	27.01	24.45	--
Deep Lidded						
27134PDLA	301-607	14.11	12.97	12.03	10.89	--
29830PDLA	301-619	17.88	16.68	15.47	14.00	--
26908PDLA	301-620	20.25	19.51	18.10	16.38	--
11130PDLA	301-632	28.98	26.63	24.70	22.36	--
10758PDLA	301-644	23.12	21.25	19.71	17.84	--

Multipurpose (PCB guides) Flame Retardant ABS



- Integral card guide accepts 1.5mm (0.062") PC cards
- Designed to meet IP54
- Flammability rating of UL 94V-0
- Lid secured with M3 x 10mm Phillips machine screws

Rear Flange Kits		Lid Flange Kits	
Enclosure Type	Flange Kit	Enclosure Type	Flange Kit
1591L	1591F1BK-2	1591L	1591F1BK-2
1591A	1591F1BK-2	1591A	1591F1BK-2
1591B	1591F1BK-2	1591B	1591F1BK-2
1591C	1591F1BK-2	1591C	1591F2BK-2
1591D	1591F2BK-2	1591D	1591F2BK-2
1591E	1591F3BK-2	1591E	1591F3BK-2
1591G	1591F2BK-2	1591G	1591F3BK-2
1591H	1591F1BK-2	1591H	1591F2BK-2
1591S	1591F2BK-2	1591S	1591F3BK-2
1591T	1591F2BK-2	1591T	1591F2BK-2
1591U	1591F3BK-2	1591U	1591F3BK-2
1591V	1591F3BK-2	1591V	1591F3BK-2

Multipurpose (Standard & Flanged Lid) IP54/IP65 Diecast



Mfrs. List No.	L	W	D	Order Code	1+	5+	10+	25+	+
Black									
1591MBK	85	56	25	443-6842	7.16	6.77	6.26	5.68	--
1591LBK	85	56	39	443-6854	6.97	6.59	6.09	5.53	--
1591ABK	100	50	25	443-6866	6.58	6.24	5.76	5.23	--
1591SBK	110	82	44	443-6878	11.42	10.81	9.99	9.06	--
1591BBK	112	62	31	443-6880	7.22	6.89	6.37	5.78	--
1591CBK	120	65	40	443-6891	10.51	9.92	9.17	8.32	--
1591TBK	120	80	59	443-6908	12.13	11.52	10.65	9.66	--
1591UBK	120	120	59	443-6910	13.93	13.25	12.24	11.11	--
1591VBK	120	120	94	443-6921	16.77	15.86	14.66	13.30	--
1591GBK	121	94	34	443-6933	11.42	10.81	9.99	9.06	--
1591DBK	150	80	50	443-6945	11.80	11.23	10.38	9.41	--
1591HBK	165	71	29	443-6957	11.87	11.29	10.43	9.46	--
1591EBK	191	110	61	443-6969	17.61	16.69	15.43	13.99	--
Grey									
1591MGY	85	56	25	443-6970	7.16	6.77	6.26	5.68	--
1591LGY	85	56	39	443-6982	6.97	6.59	6.09	5.53	--
1591AGY	100	50	25	443-6994	6.77	6.24	5.76	5.23	--
1591SGY	110	82	44	443-7007	11.42	10.81	9.99	9.06	--
1591BGY	112	62	31	443-7019	7.22	6.89	6.37	5.78	--

18

Enclosures, Boxes & Equipment Racking

Prices are in Singapore Dollars and exclusive of GST. Due to the volatile nature of certain products, prices are subject to change without notice.

- Rugged electronic enclosure, diecast in aluminium alloy
- Easy to machine, perfect for audio and RF shielding
- Smooth and attractive natural finish
- RFI/EMI shielded
- Lap jointed lid, fastened by machine screws into threaded holes
- Standard and flanged lid versions meet IP54
- Watertight IP65 versions of standard and flanged lid complete the range

203448

External Dimensions			Order Code	Price Each			
W	D	H		1+	5+	10+	25+
Standard Box							
27	53	42	427-3059 ●	8.06	7.41	6.87	6.22
27	51	55	929-980 ●	13.80	12.68	11.76	10.64
27	92	42	306-1589 ●	12.22	11.23	10.42	9.43
21	100	54	382-4410 ●	13.80	12.68	11.76	10.64
27	112	64	306-1590 ●	15.62	14.36	13.32	12.05
40	111	86	929-992 ●	20.03	18.41	17.08	15.45
30	119	98	930-003 ●	18.21	16.73	15.52	14.05
35	121	70	382-4421 ●	22.81	20.96	19.44	17.59
45	145	99	427-3060 ●	19.09	17.54	16.27	14.73
33	188	124	306-1607 ●	38.24	35.15	32.60	29.50
57	192	115	382-4433 ●	34.78	31.96	29.64	26.83
46	153	86	306-1619 ●	23.62	21.71	20.14	18.23
50	50	25	NEW 100-9517 ●	9.95	9.15	8.48	7.68
52	188	124	306-1620 ●	37.61	34.57	32.06	29.01
52	120	98	306-1632 ●	19.84	18.24	16.92	15.31
55	120	84	930-015 ●	19.09	17.54	16.27	14.73
55	120	124	930-027 ●	26.59	24.43	22.66	20.51
75	125	129	427-3072 ●	31.12	28.60	26.53	24.01
90	120	124	930-039 ●	33.01	30.34	28.14	25.47
92	92	42	NEW 100-9518 ●	20.85	19.16	17.77	16.09
63	188	192	930-040 ●	46.87	43.08	39.95	36.16
78	188	124	306-1644 ●	36.35	33.41	30.98	28.04
120	120	32	NEW 100-9519 ●	24.07	22.12	20.51	18.57
125	125	57	NEW 100-9520 ●	30.93	28.43	26.37	23.86

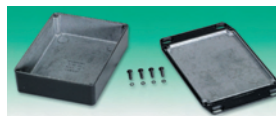
External Dimensions			Order Code	Price Each			
W	D	H		1+	5+	10+	25+
Watertight Standard Box							
27	51	55	306-1656 ●	15.37	14.13	13.10	11.86
27	53	42	427-3084 ●	15.69	14.42	13.37	12.10
27	92	42	306-1668 ●	13.86	12.74	11.81	10.69
21	100	54	382-4445 ●	17.20	15.81	14.66	13.27
27	112	64	306-1670 ●	17.26	15.86	14.71	13.32
30	119	98	306-1681 ●	21.42	19.69	18.26	16.52
35	121	70	382-4457 ●	26.15	24.03	22.29	20.17
45	145	99	427-3096 ●	25.14	23.10	21.43	19.39
33	188	124	306-1693 ●	42.90	39.43	36.57	33.10
57	192	115	382-4469 ●	38.75	35.61	33.03	29.89
40	111	86	306-1700 ●	23.18	21.31	19.76	17.88
46	153	86	306-1711 ●	26.78	24.61	22.82	20.66
50	50	25	NEW 100-9525 ●	14.68	13.49	12.51	11.32
52	188	124	306-1723 ●	42.34	38.91	36.09	32.66
52	120	98	306-1735 ●	22.93	21.08	19.55	17.69
55	120	84	306-1747 ●	22.24	20.44	18.96	17.16
55	120	124	306-1759 ●	34.27	31.50	29.21	26.44
75	125	129	427-3102 ●	33.39	30.69	28.46	25.76
63	188	192	306-1760 ●	51.60	47.42	43.98	39.80
78	188	124	306-1772 ●	41.08	37.75	35.01	31.69
90	120	124	306-1784 ●	35.22	32.37	30.02	27.17
92	92	42	NEW 100-9526 ●	25.33	23.28	21.59	19.54
120	120	32	NEW 100-9528 ●	28.79	26.46	24.54	22.21
125	125	57	NEW 100-9529 ●	39.94	36.71	34.05	30.81

External Dimensions			Order Code	Price Each			
W	D	H		1+	5+	10+	25+
Flanged Lid Box							
51	55	27	306-1796 ●	14.38	13.66	12.61	11.42
92	42	27	306-1802 ●	12.69	12.05	11.12	10.07
100	54	21	382-4470 ●	13.80	12.68	11.76	10.64
112	64	27	306-1814 ●	16.27	15.40	14.21	12.87
119	98	30	306-1826 ●	18.90	17.95	16.56	15.00
121	70	35	382-4482 ●	23.50	21.60	20.03	18.13
188	124	33	306-1838 ●	39.76	37.69	34.78	31.50
192	115	57	382-4494 ●	34.84	32.02	29.70	26.88
111	86	40	306-1840 ●	20.86	19.81	18.28	16.56
153	86	46	306-1851 ●	25.31	24.03	22.18	20.09
188	124	52	306-1917 ●	39.15	37.14	34.27	31.04
120	98	52	306-1929 ●	20.66	19.56	18.05	16.35
120	84	55	306-1930 ●	19.84	18.82	17.36	15.73
120	124	55	306-1942 ●	28.48	26.21	24.18	21.90
188	192	63	306-1954 ●	48.74	46.20	42.63	38.61
188	124	78	306-1966 ●	37.80	35.83	33.06	29.95
120	124	90	306-1978 ●	33.28	31.55	29.11	26.37
Watertight Flanged Lid Box							
51	55	27	306-1980 ●	19.98	18.94	17.48	15.83
92	42	27	306-1991 ●	14.38	13.66	12.61	11.42
100	54	21	384-2575 ●	17.20	15.81	14.66	13.27
112	64	27	306-2004 ●	17.96	17.02	15.70	14.22
119	98	30	306-2016 ●	22.28	21.11	19.48	17.65
121	70	35	384-2587 ●	26.15	24.03	22.29	20.17
188	124	33	306-2028 ●	44.62	42.29	39.02	35.34
111	86	40	306-2030 ●	24.10	22.85	21.09	19.10
153	86	46	306-2041 ●	27.81	26.39	24.35	22.06
188	124	52	306-2053 ●	44.01	41.73	38.51	34.88

External Dimensions			Order Code	Price Each			
W	D	H		1+	5+	10+	25+
Watertight Flanged Lid Box							
120	98	52	306-2065 ●	23.83	22.60	20.86	18.89
120	84	55	306-2077 ●	23.08	21.92	20.23	18.32
120	124	55	306-2089 ●	35.64	33.78	31.17	28.23
188	192	63	306-2090 ●	53.60	50.86	46.93	42.51
188	124	78	306-2107 ●	42.66	40.49	37.36	33.84
120	124	90	306-2119 ●	36.58	34.71	32.03	29.01

Multipurpose Black (Standard & Flanged Lid)

IP54/IP65 Diecast



- Rugged electronic enclosure, diecast in aluminium alloy painted in a tough black powder paint
- Easy to machine, perfect for audio and RF shielding
- RFI/EMI shielded
- Lap jointed lid, fastened by machine screws into threaded holes
- Standard and flanged lid versions meet IP54
- Watertight IP65 versions of standard and flanged lid complete the range

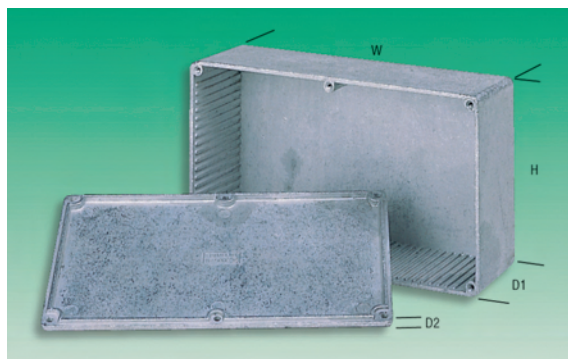
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External Dimensions			Order Code	Price Each			
L	W	D		1+	5+	10+	25+
Standard Black Box							
50	50	25	NEW 100-9521 ●	13.99	12.85	11.92	10.79
50	50	31	443-7100 ●	18.14	16.68	15.47	14.00
52	38	31	443-7111 ●	18.08	16.62	15.41	13.95
92	38	31	443-7123 ●	17.89	16.44	15.25	13.80
92	92	42	NEW 100-9522 ●	25.83	23.74	22.02	19.93
100	50	25	443-7135 ●	18.90	17.37	16.11	14.58
110	81	44	443-7147 ●	28.22	25.94	24.06	21.77
111	59	31	443-7159 ●	23.56	21.65	20.08	18.18
118	93	34	443-7160 ●	26.40	24.26	22.50	20.36
119	119	59	443-7172 ●	32.32	29.70	27.55	24.93
119	119	94	443-7184 ●	42.71	39.26	36.41	32.95
120	94	56	443-7196 ●	28.29	26.00	24.11	21.82
120	79	59	443-7202 ●	25.26	23.22	21.53	19.49
120	120	32	NEW 100-9523 ●	28.48	26.17	24.27	21.97
121	66	39	443-7214 ●	30.87	28.37	26.31	23.81
125	125	57	NEW 100-9524 ●	35.85	32.95	30.56	27.65
125	125	79	443-7226 ●	32.95	30.28	28.09	25.42
145	95	49	443-7238 ●	23.37	21.48	19.92	18.03
153	82	50	443-7240 ●	33.58	30.86	28.62	25.90
187	119	56	443-7251 ●	41.90	38.50	35.71	32.32
187	119	82	443-7263 ●	48.07	44.18	40.97	37.08
187	187	67	443-7275 ●	59.41	54.60	50.64	45.83
188	119	37	443-7287 ●	47.63	43.77	40.60	36.74
192	111	61	443-7299 ●	40.13	36.88	34.21	30.96

External Dimensions			Order Code	Price Each			
L	W	D		1+	5+	10+	25+
Flanged Lid Black Box							
50	50	31	443-7305 ●	18.90	17.95	16.56	15.00
92	38	31	443-7317 ●	18.56	17.64	16.27	14.74
100	50	25	443-7329 ●	19.64	18.63	17.19	15.57
100	81	44	443-7330 ●	30.24	28.69	26.47	23

External Dimensions				Price Each			
L	W	D	Order Code	1+	5+	10+	25+
Watertight Standard Lid Black Box							
187	187	67	443-7640	64.13	58.94	54.67	49.47
188	119	37	443-7652	55.86	49.99	45.32	39.10
192	111	61	443-7664	44.16	40.59	37.64	34.07
Watertight Flanged Black Box							
50	50	31	443-7676	20.59	19.50	17.99	16.30
100	50	25	443-7690	23.29	22.11	20.40	18.48
110	81	44	443-7706	32.60	30.93	28.54	25.85
111	59	31	443-7718	26.06	24.72	22.81	20.66
118	93	34	443-7720	30.71	29.12	26.87	24.34
120	94	56	443-7755	32.67	30.99	28.59	25.90
120	79	59	443-7767	29.63	28.13	25.96	23.51
187	119	56	443-7792	54.40	51.61	47.62	43.13
187	119	82	443-7809	54.81	51.98	47.96	43.44

Multipurpose '5000 Series'



Series	Box size	H	W	D ₁	D ₂
BIM 5001/11	1	50	50	27	4
BIM 5002/12	2	50	100	21	4
BIM 5003/13	3	62	112	27	4
BIM 5004/14	4	65	120	36	4
BIM 5005/15	5	81	151	46	4
BIM 5006/16	6	110	190	56	4
BIM 5007/17	7	95	121	57	4

- Ideal for production and prototype applications
- Will withstand temperatures of 260°C
- Available unfinished and in black
- PCB slots for 1.5mm thick boards

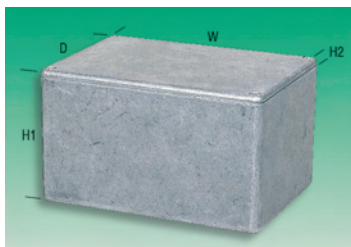
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Mfrs. List No.	Order Code	1+	50+	100+	500+
Unpainted					
BIM 5001/11	117-1658	9.24	8.50	7.57	--
BIM 5002/12	117-1660	10.61	9.71	8.77	--
BIM 5003/13	117-1663	13.79	12.62	11.35	--
BIM 5004/14	117-1666	16.10	14.83	13.33	--
BIM 5005/15	117-1668	20.42	18.75	16.84	--
BIM 5006/16	117-1671	27.86	25.55	22.90	--
BIM 5007/17	117-1673	22.13	20.32	18.28	--
Black					
BIM 5001/11 BLK	117-1659	11.92	11.65	11.42	--
BIM 5002/12 BLK	117-1661	15.53	15.23	14.93	--
BIM 5003/13 BLK	117-1664	18.11	17.74	17.38	--
BIM 5004/14 BLK	117-1667	22.16	21.73	21.26	--
BIM 5005/15 BLK	117-1669	28.19	27.74	26.79	--
BIM 5006/16 BLK	117-1672	36.46	35.76	35.05	--
BIM 5007/17 BLK	117-1674	30.43	29.80	29.23	--
Mounting Feet (Set Of 4)	117-1675	2.93	2.73	2.41	2.09

Multipurpose (PCB Guides)



Diecast



- Aluminium diecast boxes to LM24. Internal lip provides RFI/EMI shielding
- Selected boxes have internal PCB guide slots

External Dimensions				Internal	Mfrs. List No.	Order Code
H ₁	H ₂	W	D	Guide Slots		
30.0	4	60	55	YES	459-0150.	278-804
25.0	4	80	55	YES	459-0140.	525-595
29.5	4	88.9	34.9	NO	459-0010.	525-601
29.5	4	114.3	63.5	NO	459-0020.	525-613

54.9	4	114.3	63.5	NO	459-0040.	525-625
54.9	4	114.3	88.9	NO	459-0030.	525-637
54.9	4	171.5	120.6	NO	459-0050.	525-649
105.7	4	171.5	120.6	NO	459-0060.	525-650
55.0	4	222.3	146	NO	459-0070.	278-841
105.7	4	222.3	146	NO	459-0080.	278-853
35.0	4	120	100	YES	459-0120.	278-816
76.0	4	139.7	101.6	YES	459-0100.	278-828
76.0	4	165	127	YES	459-0110.	278-830
65.0	4	275	175	YES	459-0090.	278-865
100.0	4	250	250	YES	459-0130.	278-877

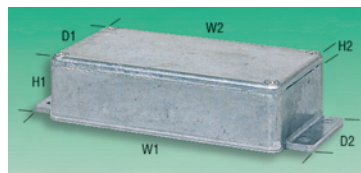
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Order Code	1+	25+	50+	+	+	+
278-804	8.33	7.48	7.27	--	--	--
525-595	9.61	9.08	8.60	--	--	--
525-601	9.78	8.74	8.46	--	--	--
525-613	10.86	9.80	9.56	--	--	--
525-625	13.34	11.88	11.57	--	--	--
525-637	14.87	13.95	13.31	--	--	--
525-649	24.09	21.50	20.92	--	--	--
525-650	35.75	31.91	31.09	--	--	--
278-841	38.40	34.26	33.38	--	--	--
278-853	51.30	45.76	44.64	--	--	--
278-816	30.66	27.44	26.69	--	--	--
278-828	38.33	34.20	33.34	--	--	--
278-830	48.00	42.82	41.71	--	--	--
278-865	69.23	58.69	57.16	--	--	--
278-877	102.95	91.76	89.44	--	--	--

Flanged, RFI/EMI Shielded (PCB Guides)



Diecast



- Aluminium diecast boxes with pre-drilled mounting flanges
- Flanges allow box to be surface mounted without restriction of internal mounting screws
- Supplied unfinished, but will accept most finishes with minimum preparation

Mfrs. List No.	Order Code	W ₂	D ₁	H ₁	H ₂	D ₂	W ₁	Flange Hole Fixing Centres
455-0010.	278-889	89	35	30	4	25	114	102 x 5 dia
455-0020.	278-890	114	64	30	4	45	140	127 x 30 x 5 dia
445-0040.	278-907	115	64	55	4	45	140	127 x 30 x 5 dia
455-0030.	278-919	114	89	55	4	69	140	127 x 50 x 5 dia
455-0120.	278-920	120	100	35	4	80	150	137 x 60 x 5 dia
455-0100.	278-932	140	102	76	4	80	170	157 x 60 x 5 dia
455-0110.	278-944	165	127	76	4	100	195	180 x 80 x 5 dia
455-0050.	278-956	172	121	55	4	100	202	189 x 80 x 5 dia
455-0060.	278-968	172	121	106	4	100	202	189 x 80 x 5 dia
455-0070.	278-970	222	146	55	4	118	252	239 x 98 x 5 dia

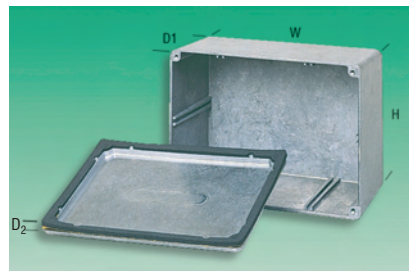
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Order Code	1+	10+	25+	+
278-889	31.40	27.85	23.55	--
278-890	32.59	30.03	27.60	--
278-907	37.64	34.47	30.71	--
278-919	40.37	36.93	35.87	--
278-920	70.47	63.58	56.45	--
278-932	87.50	78.97	70.16	--
278-944	88.04	79.34	70.54	--
278-956	63.06	56.95	50.61	--
278-968	91.12	80.53	71.63	--
278-970	92.10	81.43	72.42	--

Multipurpose, RFI/EMI Shielded



IP66, Diecast



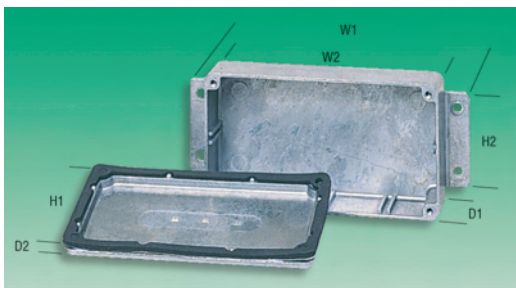
- Aluminium diecast boxes to LM24
- Supplied with adhesive backed neoprene seal
- Internal guide slots available on selected boxes
- RFI/EMI shielded without seal

External Dimensions				No. Lid	Internal	Mftrs. List No.	Order Code
H	W	D ₁	D ₂	Fixing Screws	Guide Slots		
55	80	26	5	4	YES	460-0140.	587-618
64	114	31	5	4	NO	460-0020.	279-043
64	114	56	5	4	NO	460-0040.	279-055
89	114	56	5	4	NO	460-0030.	279-067
100	120	36	5	4	YES	460-0120.	587-590
102	140	77	5	4	YES	460-0100.	279-079
127	165	77	5	6	YES	460-0110.	279-080
121	172	56	5	6	NO	460-0050.	279-092
121	172	107	5	6	NO	460-0060.	279-109
146	222	56	5	6	NO	460-0070.	279-110
146	222	107	5	6	NO	460-0080.	279-122
250	250	101	5	8	YES	460-0130.	587-606
175	275	66	5	6	YES	460-0090.	587-588

218893

Order Code	Price Each			
	1+	10+	25+	+
587-618	21.05	18.77	17.71	--
279-043	20.67	19.59	18.26	--
279-055	23.64	22.35	21.67	--
279-067	25.26	23.92	23.17	--
587-590	33.89	30.24	28.50	--
279-079	47.30	44.64	42.76	--
279-080	59.03	55.66	54.30	--
279-092	34.91	32.93	32.08	--
279-109	46.01	43.54	42.32	--
279-110	49.84	47.03	45.80	--
279-122	63.66	60.03	57.50	--
587-606	113.16	100.90	95.35	--
587-588	80.79	72.04	68.11	--

Flanged, RFI/EMI Shielded (PCB Guides) IP66, Diecast



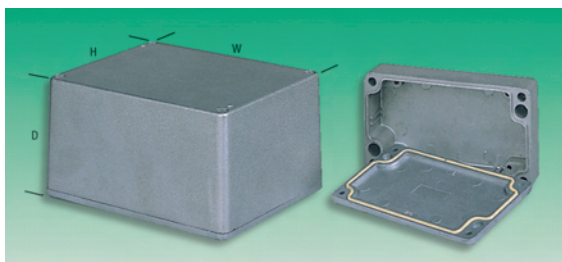
- Flanged aluminium diecast boxes to LM24
- Supplied with adhesive backed neoprene rubber seal
- RFI/EMI shielded without seal

External Dimensions						Flange Hole Fixing Centres	Mftrs. List No.	Order Code
H1	H2	W1	W2	D1	D2			
35	25	114	89	26	5	102 x 5 x dia.	456-0010.	279-134
64	45	140	114	26	5	128 x 30 x 5 x dia.	456-0020.	279-146
64	45	140	115	51	5	127 x 30 x 5 x dia.	456-0040.	525-662
89	69	140	114	51	5	127 x 50 x 5 x dia.	456-0030.	279-158
100	80	150	120	31	5	137 x 60 x 5 x dia.	456-0120.	587-679
102	80	170	140	72	5	157 x 60 x 5 x dia.	456-0100.	587-655
127	100	195	165	72	5	182 x 80 x 5 x dia.	456-0110.	587-667
121	100	202	172	51	5	189 x 80 x 5 x dia.	456-0050.	587-631
146	118	252	223	51	5	239 x 98 x 5 x dia.	456-0070.	587-643

218891

Order Code	Price Each			
	1+	10+	25+	+
279-134	37.13	35.39	34.43	--
279-146	39.07	36.93	36.00	--
525-662	44.61	41.25	40.03	--
279-158	45.15	43.07	41.94	--
587-679	88.18	84.77	78.70	--
587-655	111.49	107.23	99.48	--
587-667	104.25	100.26	93.03	--
587-631	79.14	76.10	70.60	--
587-643	112.75	108.45	100.60	--

Multipurpose IP65, Diecast



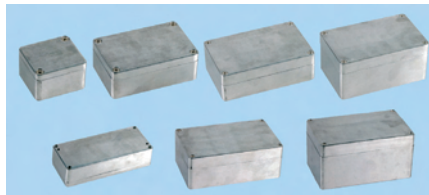
- Diecast aluminium, resistant to moisture and dust ingress.
- Sealed with neoprene gasket. Designed to IP65.
- Mountings and lid fixings outside of seal.
- Integral PCB guide slots (except 579-890).

Wall Thickness 3.3

230599

External Dimensions			Price Each				
H	W	D	Order Code	1+	25+	100+	+
36	90	30	117-5781	16.95	15.93	15.63	--
58	64	35	109-4718	17.80	16.74	16.09	--
65	115	30	109-4719	16.68	15.73	14.69	--
65	115	55	109-4720	19.44	18.33	17.84	--
90	115	55	109-4721	20.80	19.66	19.06	--
108	148	75	117-5782	32.02	30.13	28.77	--
121	171	55	117-5783	29.60	27.89	27.15	--

Die-Cast Aluminium Enclosures



- A range of heavy duty sealed diecast aluminium enclosures
- Natural aluminium colour finish
- Designed to meet IP65 and NEMA4 through the use of neoprene gasket with the universal tongue and groove seal system
- Ideal for industrial environments
- Wall mounting holes and lid fixing screws are outside the sealing area for sealing protection

External Dimensions			Wall Thickness	Weight	Order Code
L	W	D			
50	45	30	2.5	0.059kg	109-4681
98	64	34	3.0	0.196kg	109-4682
125	80	40	3.7	0.357kg	109-4684
125	80	57	3.7	0.428kg	109-4685
150	63	36.5	3.6	0.347kg	109-4686
160	100	60	4.0	0.66kg	109-4687
160	100	81	4.0	0.78kg	109-4689

342003

Order Code	Price Each			
	1+	5+	10+	+
109-4681	22.77	20.09	18.41	--
109-4682	25.78	22.77	20.76	--
109-4684	27.89	24.78	21.83	--
109-4685	33.15	30.47	27.12	--
109-4686	26.35	24.47	21.83	--
109-4687	36.83	34.82	32.14	--
109-4689	38.17	36.16	33.48	--

IP66 Sealed Aluminium Enclosures Powder Coated Grey or Black



A range of diecast boxes available in various sizes, manufactured in a robust aluminium alloy. These lightweight enclosures provide excellent screening against EMI/RFI and are therefore ideal housing for electronic components and circuits. The close fitting lid is secured using four, six or eight countersunk screws. Also available with integral PCB guides. Screw size M3.5 x 12mm. The box is fitted with a self-adhesive rubber seal, providing a IP66 rating.



Dimensions			Mftrs. List No.	Order Code
D	W	H		
63.5	114.5	30.5	453-0020	916-6041
63.5	115.7	55.9	453-0030	916-6050
88.9	115.3	55.9	453-0040	916-6068
120.6	171.5	55.9	453-0050	916-6076
120.6	171.5	106.7	453-0060	916-6084
146	222.3	56	453-0070	916-6092
146	222.3	106.7	453-0080	916-6106
175	275	66	453-0090 *	916-6114
101.6	139.7	77	453-0100 *	916-6122
127	165	77	453-0110 *	916-6130
250	250	101	453-0130 *	916-6149

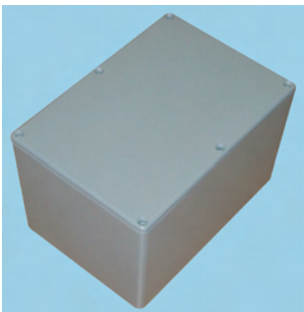
* - Available with Integral PCB Guides



403717

Mfrs. List No.	Order Code	1+	10+	25+	+
453-0020	916-6041	30.53	24.41	20.36	--
453-0030	916-6050	43.32	34.62	28.86	--
453-0040	916-6068	29.66	23.70	19.75	--
453-0050	916-6076	53.53	42.82	35.69	--
453-0060	916-6084	66.66	53.33	44.46	--
453-0070	916-6092	74.19	59.36	49.48	--
453-0080	916-6106	67.06	53.63	44.73	--
453-0090	916-6114	90.73	72.58	60.46	--
453-0100	916-6122	60.46	48.38	40.34	--
453-0110	916-6130	64.68	51.76	43.09	--
453-0130	916-6149	113.10	90.46	75.40	--

Powder Coated Grey & Black Aluminium Enclosures



A range of diecast boxes in various sizes, manufactured in a robust aluminium alloy. These lightweight enclosures provide excellent screening against EMI/RFI and are therefore ideal housing for electronic components and circuits. The close fitting lid is secured using countersunk screws. Available in Black (RAL 9005) or Grey (BS4800/18B25). Screw size M3.5 x 9mm.



Operating Temperature -40 to 110°C (In Air)

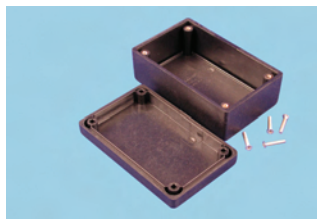
W	H	D	Mfrs. List No.	Order Code
Grey				
34.9	88.9	29.5	461-0010	916-5649
64	114.5	29.5	461-0020	916-5665
90.5	115.7	54.9	461-0030	916-5681
64.5	115.3	54.9	461-0040	916-5703
120.6	171.5	54.9	461-0050	916-5720
120.6	171.5	105.7	461-0060	916-5746
146	222.3	55	461-0070	916-5754
146	222.3	105.7	461-0080	916-5770
175	275	65	461-0090 *	916-5789
101.6	139.7	76	461-0100 *	916-5800
100	120	35	461-0120 *	916-5827
250	250	100	461-0130 *	916-5843
Black				
34.9	88.9	29.5	461-0010E	916-5657
64	114.5	29.5	461-0020E	916-5673
90.5	115.7	54.9	461-0030E	916-5690
64.5	115.3	54.9	461-0040E	916-5711
120.6	171.5	54.9	461-0050E	916-5738
146	222.3	55	461-0070E	916-5762
175	275	65	461-0090E *	916-5797
127	165	76	461-0110E *	916-5819
100	120	35	461-0120E *	916-5835
250	250	100	461-0130E *	916-5851

* - Available with Integral PCB Guides

403718

Mfrs. List No.	Order Code	1+	10+	25+	+
Grey					
461-0010	916-5649	12.49	11.42	10.58	--
461-0020	916-5665	15.90	14.56	13.46	--
461-0030	916-5681	25.14	23.10	21.33	--
461-0040	916-5703	17.74	16.24	14.97	--
461-0050	916-5720	32.64	29.93	27.59	--
461-0060	916-5746	42.18	38.64	35.69	--
461-0070	916-5754	47.68	43.72	40.34	--
461-0080	916-5770	48.45	44.43	40.98	--
461-0090	916-5789	54.10	49.58	45.80	--
461-0100	916-5800	41.11	37.67	34.75	--
461-0120	916-5827	35.35	32.41	29.93	--
461-0130	916-5843	88.52	81.12	74.89	--
Black					
461-0010E	916-5657	11.22	10.24	9.51	--
461-0020E	916-5673	15.90	14.56	13.46	--
461-0030E	916-5690	25.14	23.10	21.33	--
461-0040E	916-5711	17.74	16.24	14.97	--
461-0050E	916-5738	29.30	26.85	24.78	--
461-0070E	916-5762	47.68	43.72	40.34	--
461-0090E	916-5797	54.10	49.58	45.80	--
461-0110E	916-5819	44.26	40.61	37.43	--
461-0120E	916-5835	35.35	32.41	29.93	--
461-0130E	916-5851	79.41	72.79	67.19	--

Heavy Duty Conductive Plastic Enclosures



- Designed for EMI/RFI shielding applications - using conductive plastic (a compound of plastic and stainless steel fibers)
- Rugged electronic instrument enclosures, ideally suited for mounting printed circuit boards
- Heavy duty, thick wall design with an average wall thickness of 3.3 mm

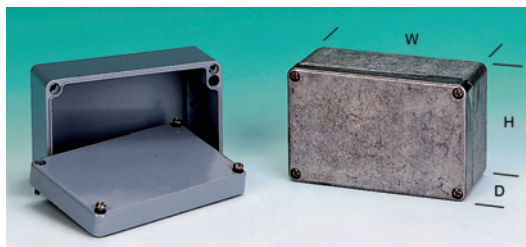


- Molded from a compound of stainless steel fibers and flame retardant ABS plastic (carries a UL flammability rating of 94V-0)
- Designed to meet IP54
- Countersunk lid is secured with four M3 x 0.5 - 0.71" (18 mm) long, Philips machine screws threaded into integral brass bushings
- Perfect for applications with repetitive assembly and disassembly are required
- Black with matte textured finish

Length	Width	Depth (Less Lid)	Mfrs. List No.	Order Code
56	56	28	1594RFIABK	100-9474
81	56	28	1594RFIBBK	100-9475
105	66	33	1594RFICBK	100-9476
131	66	43	1594RFIDBK	100-9477
167	107	53	1594RFIEBK	100-9478

Mfrs. List No.	Order Code	1+	5+	10+	25+
1594RFIABK	100-9474	14.58	13.42	12.41	11.25
1594RFIBBK	100-9475	15.74	14.49	13.40	12.15
1594RFICBK	100-9476	19.54	18.00	16.63	15.09
1594RFIDBK	100-9477	24.32	22.39	20.70	18.77
1594RFIEBK	100-9478	34.64	31.90	29.48	26.74

Heavy Duty - Aluminium IP65



- Constructed from durable aluminium ALSi12, with magnesium content >0.4%
- Painted enclosure finished in stove enamel grey RAL 7001
- Ex type approval EExe IIT6 and EExe (ia) IICT6
- Neoprene gasket - temperature range -40°C to 80°C
- Easy to machine, basis for RFI protection

230601

External Dimensions	Order Code	1+	10+	25+	+	+
H W D						
Unpainted						
50 45 30	767-396	17.55	15.70	14.44	--	--
58 64 36	767-402	25.69	23.17	21.43	--	--
98 64 36	767-414	32.97	29.69	27.47	--	--
75 80 57	767-426	37.42	33.38	30.99	--	--
125 80 57	767-440	45.86	41.25	38.33	--	--
175 80 57	767-451	56.84	50.64	46.92	--	--
250 80 57	424-6780	70.06	63.06	59.55	--	--
122 122 80	767-463	82.33	74.59	71.31	--	--
220 122 80	424-6809	94.94	85.45	80.70	--	--
160 160 90	767-487	106.81	96.16	89.10	--	--
260 160 90	767-499	133.28	118.86	110.12	--	--
360 160 90	424-6822	161.37	145.24	137.18	--	--
200 230 110	424-6846	203.55	183.21	173.02	--	--
330 230 110	424-6860	282.56	254.30	240.18	--	--
400 230 110	424-6883	410.35	369.34	348.79	--	--
Painted						
50 45 30	767-372	16.74	15.15	14.20	--	--
58 64 36	503-125	20.36	18.48	17.64	--	--
98 64 36	503-137	28.51	25.68	24.22	--	--
75 80 57	503-149	36.46	33.03	31.23	--	--
150 64 36	503-150	34.50	31.09	29.32	--	--
125 80 57	503-162	45.83	41.22	39.01	--	--
175 80 57	503-174	58.72	52.85	49.88	--	--
250 80 57	424-6779	68.80	61.90	58.72	--	--
122 122 80	503-186	81.76	73.65	69.51	--	--
122 122 90	767-384	89.59	79.11	74.67	--	--
220 122 80	424-6792	102.65	92.38	87.26	--	--
160 160 90	503-198	104.11	93.70	88.44	--	--
260 160 90	503-204	133.91	120.57	113.82	--	--
360 160 90	424-6810	174.48	157.05	148.31	--	--
200 230 110	424-6834	220.04	198.03	187.04	--	--
330 230 110	424-6858	305.46	274.91	259.62	--	--
400 230 110	424-6871	443.59	399.23	377.04	--	--

18

Enclosures, Boxes & Equipment Racking

External Dimensions			Order Code	Price Each				
H	W	D		1+	10+	25+	+	+
Unpainted								
50	45	30	101-6372	17.55	15.70	14.44	--	--
58	64	36	101-6373	25.69	23.17	21.43	--	--
98	64	36	101-6375	32.97	29.69	27.47	--	--
75	80	57	101-6376	37.42	33.38	30.99	--	--
125	80	57	101-6377	45.86	41.25	38.33	--	--
175	80	57	101-6378	56.84	50.64	46.92	--	--
250	80	57	101-6434	70.06	63.06	59.55	--	--
122	122	80	101-6379	82.33	74.59	71.31	--	--
220	122	80	101-6436	94.94	85.45	80.70	--	--
160	160	90	101-6380	106.81	96.16	89.10	--	--
260	160	90	101-6381	133.28	118.86	110.12	--	--
360	160	90	101-6438	161.37	145.24	137.18	--	--
200	230	110	101-6440	203.55	183.21	173.02	--	--
330	230	110	101-6443	282.56	254.30	240.18	--	--
400	230	110	101-6445	410.35	369.34	348.79	--	--
Painted								
50	45	30	101-6370	16.74	15.15	14.20	--	--
58	64	36	101-6360	20.36	18.48	17.64	--	--
98	64	36	101-6361	28.51	25.68	24.22	--	--
75	80	57	101-6363	36.46	33.03	31.23	--	--
150	64	36	101-6364	34.50	31.09	29.32	--	--
125	80	57	101-6365	45.83	41.22	39.01	--	--
175	80	57	101-6366	58.72	52.85	49.88	--	--
250	80	57	101-6433	68.80	61.90	58.72	--	--
122	122	80	101-6367	81.76	73.65	69.51	--	--
122	122	90	101-6371	89.59	79.11	74.67	--	--
220	122	80	101-6435	102.65	92.38	87.26	--	--
160	160	90	101-6368	104.11	93.70	88.44	--	--
260	160	90	101-6369	133.91	120.57	113.82	--	--
360	160	90	101-6437	174.48	157.05	148.31	--	--
200	230	110	101-6439	220.04	198.03	187.04	--	--
330	230	110	101-6442	305.46	274.91	259.62	--	--
400	230	110	101-6444	443.59	399.23	377.04	--	--

Heavy-Duty, Watertight
IP65 Sealed



- Rugged, thick wall, diecast aluminium alloy
- Easy wall mounting using through box - blind holes
- Gasket mounts in cast lid groove, compressed by box tongue
- Painted version is grey (RAL 7001)
- Includes all stainless steel captive hardware
- Internal earthing screws are copper plated
- Models 1590Z100, 119, 120, 150, 160, 162, 166 & 231 include an internal mounting shelf

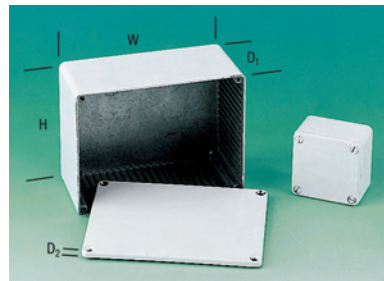
Mfrs. List No.	L	W	D	1590Z120GY	125	80	58
Unpainted							
1590Z060	50	45	30	1590Z130GY	175	80	52
1590Z061	64	58	36	1590Z135GY	175	80	60
1590Z062	98	64	36	1590Z150GY	220	120	80
1590Z063	150	64	36	1590Z160GY	160	160	90
1590Z100	75	80	52	1590Z162GY	260	159	90
1590Z110	75	80	52	1590Z166GY	160	360	90
1590Z119	122	120	80	1590Z231GY	200	230	112
Black							
1590Z120	125	80	58	1590Z060BK	45	50	30
1590Z130	175	80	52	1590Z061BK	58	64	36
1590Z135	175	80	60	1590Z062BK	64	98	36
1590Z150	220	120	80	1590Z063BK	64	150	36
1590Z160	160	160	90	1590Z100BK	80	75	52
1590Z162	260	159	90	1590Z110BK	80	75	52
1590Z166	160	360	90	1590Z119BK	120	122	80
1590Z231	200	230	112	1590Z120BK	80	125	58
				1590Z130BK	80	175	52
Painted							
1590Z060GY	50	45	30	1590Z135BK	80	175	60
1590Z061GY	64	58	36	1590Z150BK	120	220	80
1590Z062GY	98	64	36	1590Z160BK	160	160	90
1590Z063GY	150	64	36	1590Z162BK	159	260	90
1590Z100GY	75	80	52	1590Z166BK	160	360	90
1590Z110GY	75	80	52	1590Z231BK	200	230	112
1590Z119GY	122	120	80				

230609

Mfrs. List No.	Order Code	1+	5+	10+	25+	+
Unpainted						
1590Z060	353-5939	14.43	13.26	12.30	11.13	--
1590Z061	353-5940	21.89	20.67	19.17	17.35	--
1590Z062	353-5952	27.53	25.30	23.47	21.24	--
1590Z063	353-5964	28.04	25.77	23.90	21.63	--
1590Z100	353-5976	30.81	28.31	26.26	23.77	--

Mfrs. List No.	Order Code	1+	5+	10+	25+	+
Unpainted						
1590Z110	353-5988	30.81	28.31	26.26	23.77	--
1590Z119	353-5990	71.25	65.48	60.73	54.97	--
1590Z120	353-6002	38.37	35.26	32.70	29.60	--
1590Z130	353-6014	46.75	42.96	39.85	36.06	--
1590Z135	353-6026	46.75	42.96	39.85	36.06	--
1590Z150	353-6038	78.88	72.49	67.23	60.85	--
1590Z160	353-6040	90.84	84.24	78.13	70.71	--
1590Z162	353-6051	103.01	94.67	87.80	79.46	--
1590Z166	NEW 762-6169	139.61	128.31	119.00	107.70	--
1590Z231	353-6063	169.16	155.46	144.18	130.49	--
Painted						
1590Z060GY	353-6075	15.12	13.90	12.89	11.66	--
1590Z061GY	353-6087	23.62	21.71	20.14	18.23	--
1590Z062GY	353-6099	28.92	26.58	24.65	22.31	--
1590Z063GY	353-6105	29.42	27.04	25.08	22.70	--
1590Z100GY	353-6117	30.81	28.31	26.26	23.77	--
1590Z110GY	353-6129	30.81	28.31	26.26	23.77	--
1590Z119GY	353-6130	73.77	67.80	62.88	56.91	--
1590Z120GY	353-6142	40.32	37.06	34.37	31.10	--
1590Z130GY	353-6154	49.08	45.10	41.83	37.86	--
1590Z135GY	353-6166	49.08	45.10	41.83	37.86	--
1590Z150GY	353-6178	82.85	76.14	70.62	63.91	--
1590Z160GY	353-6180	96.26	88.47	82.05	74.26	--
1590Z162GY	353-6191	109.05	100.22	92.95	84.13	--
1590Z166GY	NEW 762-6177	140.74	129.35	119.97	108.57	--
1590Z231GY	353-6208	177.60	163.22	151.38	137.00	--
Black						
1590Z060BK	NEW 762-6185	18.04	15.88	14.27	12.08	--
1590Z061BK	NEW 762-6193	23.62	21.71	20.14	18.23	--
1590Z062BK	NEW 762-6207	25.26	23.22	21.53	19.49	--
1590Z063BK	NEW 762-6215	33.04	28.28	25.64	22.12	--
1590Z100BK	NEW 762-6223	29.86	27.44	25.45	23.04	--
1590Z110BK	NEW 762-6231	33.33	28.53	25.86	22.31	--
1590Z119BK	NEW 762-6240	69.05	63.46	58.86	53.27	--
1590Z120BK	NEW 762-6258	35.34	32.48	30.13	27.26	--
1590Z130BK	NEW 762-6266	41.90	38.50	35.71	32.32	--
1590Z135BK	NEW 762-6274	46.73	40.00	36.27	31.29	--
1590Z150BK	NEW 762-6282	79.13	72.72	67.45	61.04	--
1590Z160BK	NEW 762-6290	105.13	92.32	85.30	73.59	--
1590Z162BK	NEW 762-6304	101.24	93.05	86.30	78.10	--
1590Z166BK	NEW 762-6320	140.74	129.35	119.97	108.57	--
1590Z231BK	NEW 762-6312	169.60	155.87	144.56	130.83	--

Multipurpose - '5000 Series' (PCB Guides)
IP65, Diecast (Nylon Coated)



- Nylon coated (75 Microns) diecast boxes
- Each has 1.5mm (0.062") slots for PCBs
- Optional wall mounting feet available

230603

External Dimensions			Order Code	Price Each					
H	W	D ₁		D ₂	1+	50+	100+	+	
Boxes									
50	50	27	4	1	117-1624	11.92	11.52	11.28	--
50	100	21	4	2	117-1625	15.53	15.03	14.73	--
62	112	27	4	3	117-1626	18.11	17.54	17.18	--
65	120	36	4	4	117-1627	22.16	21.49	21.06	--
81	151	46	4	5	117-1629	27.92	27.05	26.55	--
110	190	56	4	6	117-1631	36.46	35.32	34.62	--
95	121	57	4	7	117-1632	30.80	29.80	29.23	--
								Price Per Set	
								1+	
Wall Mounting Feet (Set of 4)				117-1675	2.93				

Hand-Held & Instrument

Key Fob
ABS



- Moulded in black ABS. Comprises of two parts which snap together
- Lid has view window for LED.
- Loop provided for key ring or strap
- PCB mounting bosses provided in base
- Terminals provided for MN21 12V battery

H = 45, L = 35, P = 14 (117-1648)
H = 57, L = 36, P = 16 (117-1645/1646/1647)

230624

Version	Button Colours	Order Code	1+	10+	25+	Price Each
One Large Button	Black	117-1648	5.46	5.02	4.52	
One Small Button	Red	117-1645	5.56	5.16	4.55	
Two Small Buttons	Red/Blue	117-1646	6.26	5.69	5.12	
Three Small Buttons	Red/Blue/Black	117-1647	6.53	5.89	5.42	

18

Enclosures, Boxes & Equipment Racking

OVO 3 Cases



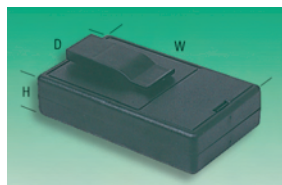
- Ergonomic pocket-size enclosures
- Ideal for remote control electronics
- Moulded in ABS (UL 94 HB)
- Supplied with a blue rubberised push-button cover with one, two or three button segments
- Internal supports for fitting a round (Ø35mm) PCB
- Tough clip-together assembly
- Suitable for a button type battery cell
- Matt surface finish for a modern feel
- Colour: dark grey RAL 7016

Dimensions (mm)
Length 55
Width 43.7
Depth 14

381083

Mfrs. List No.	Order Code	1+	10+	25+	+	Price Each
OVO3/1.4	831-2125	13.36	12.39	10.98	--	
OVO3/2.4	831-2133	12.66	11.75	10.41	--	
OVO3/3.4	831-2141	12.66	11.75	10.41	--	

Miniature, (Pocket clip and battery compartment) **multicomp**
ABS



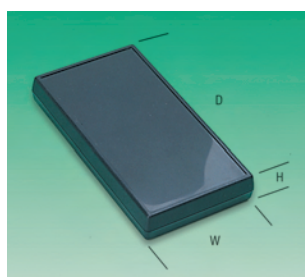
- ABS moulded cases, with integral PP3 battery compartment and pocket/belt clip
- Four integral locating pegs and sockets will accept 55 x 63mm PCB
- Supplied with clip-in battery terminals suitable for PP3 style battery

External dimensions : H=23, W=103, D=62

218884

Colour	Order Code	1+	25+	50+	+	+	Price Each
Black	223-554	12.30	10.43	9.36	--	--	
Grey (RAL9002)	223-566	12.30	10.43	9.36	--	--	
White	645-734	12.30	10.43	9.36	--	--	

Hand-Held - 'HP Series'
ABS

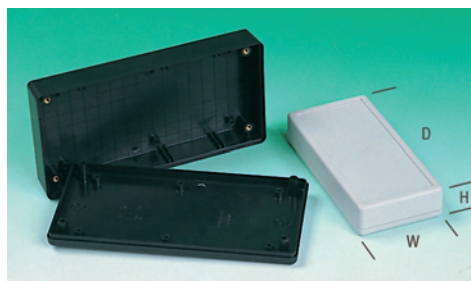


- Moulded in ABS
- Two piece assembly: top and bottom covers. (Expander piece included to increase height. Included for models of 44 and greater in height.)
- Internal bosses moulded in base allow PCB mounting
- Recessed lid ideal for membrane switches and overlays
- Available with 1 x PP3 or 4 x AA battery compartment
- All necessary hardware supplied

230655

External Dimensions				Colour	Order Code	Price Each		
H	W	D	1+			25+	50+	
Without Battery Compartment								
28	91	146	Black	145-495	16.36	15.18	14.44	
28	91	146	PC Bone	250-004	16.60	15.46	14.30	
29	102	192	Black	736-272	31.71	29.09	26.98	
With 1 x PP3 Battery Compartment								
34	91	146	Black	145-496	15.76	14.20	12.90	
34	91	146	PC Bone	250-016	15.76	14.20	12.90	
With 4 x AA Battery Compartment								
33	91	146	Black	318-4237	16.54	15.70	14.91	
33	91	146	PC Bone	318-4249	15.40	14.80	14.46	
33	102	191	Black	318-4250	18.90	17.95	17.03	

'1599 Series'
IP54, ABS (Flame Retardant)

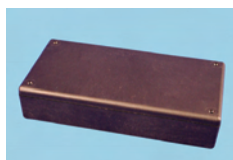


- Attractively styled hand-held cases, sealed to IP54
- Flame retardant ABS construction. Flammability rating UL94V-0
- Extra deep lid and ultra shallow base allows user flexibility
- Recessed lid panel is ideal for membrane keypads
- Two keyhole knockouts are moulded in base to facilitate wall mounting installation
- PCB guide slots and bosses are moulded in lid and base
- Base secured with 4 machine screws into brass bushings

230629

External Dimensions				Order Code	Price Each				
H	W	D	1+		10+	50+	100+		
Black Without Battery Door									
25	65	130	722-947	8.56	7.87	7.29	6.60		
35	85	170	722-960	9.87	9.08	8.40	7.61		
40	140	220	384-2605	14.75	13.57	12.56	11.38		
45	110	220	722-984	12.97	11.93	11.04	10.00		
Black With Battery Door									
25	65	130	353-6245	8.82	8.11	7.51	6.80		
35	85	170	353-6257	10.18	9.37	8.67	7.86		
40	140	220	384-2691	16.17	14.88	13.77	12.47		
45	110	220	384-2680	14.23	13.09	12.11	10.98		
Grey Without Battery Door									
25	65	130	722-959	8.56	7.87	7.29	6.60		
35	85	170	722-972	9.87	9.08	8.40	7.61		
40	140	220	384-2617	14.75	13.57	12.56	11.38		
45	110	220	722-996	12.97	11.93	11.04	10.00		
Grey With Battery Door									
25	65	130	353-6269	8.82	8.11	7.51	6.80		
35	85	170	353-6270	10.18	9.37	8.67	7.86		
Belt Clip									
				Black	353-6282	3.61	3.37	3.11	2.82
				Grey	353-6294	3.61	3.37	3.11	2.82

Conductive Plastic Hand Held Enclosure



- Attractively styled and ergonomically designed for use as a "hand-held" instrument enclosure
- Moulded from a compound of stainless steel fibers and flame retardant ABS plastic (material carries a UL flammability rating of 94V-0)
- Recessed top for membrane display or keypad

- Lap joint construction provides protection against dust accumulation and splashing water
- Extra deep top and ultra shallow base are specifically designed to enhance the aesthetics of the enclosure and provide the user with flexibility and assembly efficiency
- Designed to meet IP54
- Lid is secured with Philips machine screws, threaded into tapped integral brass bushings
- Perfect for applications with repetitive assembly and disassembly are required
- Two keyhole knockouts are moulded into the inside of the base to facilitate wall mounting installation

Length	Width	Depth	Mfrs. List No.	Order Code
Without Battery Compartment				
130	65	25	1599RFIBBK	100-9479
170	85	34	1599RFIEBK	100-9481
220	110	39	1599RFIHBK	100-9483
220	140	40.5	1599RFIKBK	100-9486

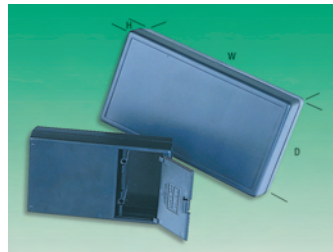
Prices are in Singapore Dollars and exclusive of GST. Due to the volatile nature of certain products, prices are subject to change without notice.

Length	Width	Depth	Mfrs. List No.	Order Code
With Battery Compartment				
130	65	25	1599RFIBKBAT	100-9480
170	85	34	1599RFIEKBAT	100-9482
220	110	39	1599RFIHBKAT	100-9484
220	140	40.5	1599RFIKKBAT	100-9487

Mfrs. List No.	Order Code	1+	5+	10+	25+
Without Battery Compartment					
1599RFIBBK	100-9479	28.57	26.31	24.32	22.06
1599RFIEBK	100-9481	35.86	33.03	30.52	27.69
1599RFIHBK	100-9483	49.86	45.92	42.44	38.50
1599RFIKBK	100-9486	64.11	59.04	54.57	49.50
With Battery Compartment					
1599RFIBKBAT	100-9480	32.57	30.00	27.72	25.15
1599RFIEKBAT	100-9482	39.22	36.12	33.38	30.28
1599RFIHBKAT	100-9484	53.15	48.95	45.24	41.04
1599RFIKKBAT	100-9487	67.79	62.43	57.70	52.34

'Betabox' (Battery Compartment)

ABS



- Black ABS cases for portable/pocket equipment.
- Integral bosses for mounting PCBs.
- Battery compartment for 1xPP3 or 2xAA batteries. Flush-fit clip on lid.

Operating temperature -40°C to +80°C

RETEX

External Dimensions			Price Each				
H	W	D	Order Code	1+	50+	100+	+
28	105	61	117-1601	9.41	8.81	8.17	--
34	145	80	117-1602	12.86	12.15	11.18	--

'M Series' (Battery Compartment)

ABS



- Very attractive, robust, and versatile ABS pocket/hand-held cases in two colours black and mid-grey
- Supplied with removable end panels, either with or without a strong pocket/belt clip
- Internal mounting pillars for PCBs
- Battery compartments: M-4 takes 1x1.5V AA size and M-6 takes 2x1.5V AA or 1x9V PP3 size cells

Operating temperature -40°C to +90°C

SERPAC

Mfrs. List No.	External Dimensions			Order Code	1+	10+	25+	+
	H	W	D					
Black Without Pocket Clip								
M-6BK	21.6	62	105.4	775-654	27.98	26.53	24.02	--
Black With Pocket Clip								
M-4PCB	17.8	55.9	71.1	775-630	26.53	24.34	22.03	--
M-6PCBK	21.6	61	105.4	775-678	32.56	29.87	27.04	--
Grey Without Pocket Clip								
M-4GY	17.8	55.9	71.1	775-629	21.69	20.61	18.70	--
Grey With Pocket Clip								
M-4PCGY	17.8	55.9	71.1	775-642	26.01	23.86	21.60	--
M-6PCGY	21.6	61	105.4	775-680	31.92	29.28	26.51	--

Product Watch

- FREE to all account holders
- Notification of obsolete, end of line and end of stock items
- Replacement or upgrade recommendations

Advanced warning of obsolete components

Panel - '1593 Series'
(Optional End Panel & Battery Compartment)
ABS



- Ergonomically designed cases for hand-held or stand alone use
- Units with one panel include a battery compartment for 1xPP3 or 2xAA batteries (except 21mm high versions)
- Recess area on lid is provided for membrane keypads
- End panels are replaceable for easy machining and for infra red
- Exposed panel area is 57x21
- New card reader size now available

External Dimensions				Mfrs	Order	External Dimensions				Mfrs	Order
H	W	D	Colour	List No.	Code	28	65	90	Black	1593PBK	930-209
28	65	65	Grey	1593KGY	930-179	21	65	110	Grey	1593TGY	353-6361
28	65	65	Black	1593KBK	930-180	21	65	110	Black	1593TBK	353-6373
25	35	113	Grey	1593DGY	427-3126	28	65	110	Grey	1593QGY	930-210
25	35	113	Black	1593DBK	427-3114	28	65	110	Black	1593QBK	930-222
28	66	92	Grey	1593LGY	443-7846	28	65	140	Grey	1593YGY	353-6385
28	66	92	Black	1593LBK	443-7858	28	65	140	Black	1593YBK	353-6397
28	65	140	Grey	1593XGY	353-6324	28	65	65	Grey	1593JGY	353-6300
28	65	140	Black	1593XBK	353-6336	28	65	65	Black	1593JBK	353-6312
21	65	90	Grey	1593SGY	353-6348	111.25	75	75	Grey	1593NGY	928-7574
21	65	90	Black	1593SBK	353-6350	111.25	75	75	Black	1593NBK	928-7566
28	65	90	Grey	1593PGY	930-192						

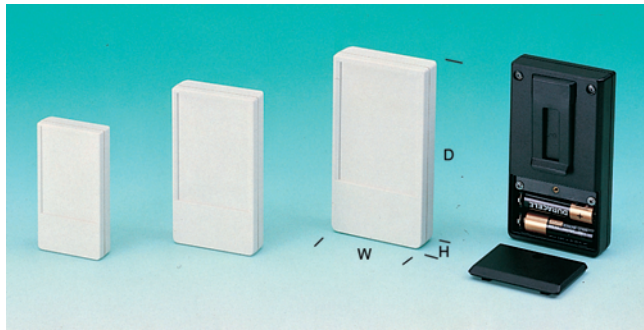
		Price Each			
Order Code	1+	10+	50+	100+	
Panel Both Ends					
930-179	4.46	4.11	3.80	3.44	
930-180	4.46	4.11	3.80	3.44	
427-3126	6.30	5.80	5.36	4.86	
427-3114	6.30	5.80	5.36	4.86	
443-7846	6.04	5.55	5.14	4.66	
443-7858	6.25	5.75	5.32	4.82	
353-6324	7.46	6.86	6.35	5.75	
353-6336	7.46	6.86	6.35	5.75	
Panel One End					
353-6348	7.77	7.15	6.62	5.99	
353-6350	7.77	7.15	6.62	5.99	
930-192	6.73	6.19	5.73	5.19	
930-209	7.24	6.67	6.17	5.59	
353-6361	8.09	7.44	6.88	6.24	
353-6373	8.09	7.44	6.88	6.24	
930-210	7.30	6.71	6.21	5.63	
930-222	7.30	6.71	6.21	5.63	
353-6385	8.14	7.49	6.93	6.28	
353-6397	8.14	7.49	6.93	6.28	
NEW 928-7574	9.92	9.13	8.45	7.65	
NEW 928-7566	8.40	7.73	7.15	6.48	
Closed Both Ends					
353-6300	3.88	3.57	3.31	3.00	
353-6312	3.88	3.57	3.31	3.00	
Infrared Panels					
Price Per Pack					
1+					
10 Pack	930-234	4.80			
10 Pack	353-6403	4.16			
For use with (21 x 65 x 90 & 21 x 65 x 110)					
10 Pack	427-3138	3.73			
For use with (25 x 35 x 113)					
Accessories					
Price Each					
1+ 5+ 10+ 25+					
Black Belt Clip	353-6282	3.61	3.37	3.11	2.82
Grey Belt Clip	353-6294	3.61	3.37	3.11	2.82

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www.farnell-newarkinone.com.sg

The very latest NEW products

'Datec' (Battery Compartment)

ABS



- Stylish, robust and ergonomic ABS cases with top recess for membrane key pads
- Ideal for remote controls, and all types of hand held instruments
- Battery compartments: L takes 2xAA or 1xPP3 and S takes 2xN cells.
- Internal mounting pillars in the top and base for PCB's

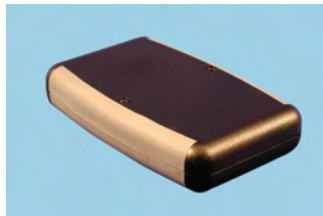
Operating temperature -40°C to +90°C

	External Dimensions			Recess Area	Mfrs. List No.	Order Code
	H	W	D			
L off-white	22	65	120	55x80	A9072107	774-649
L black	22	65	120	55x80	A9072109	774-650
S off-white	16	46	85	40x58	A9070107	774-686
Battery clips set for 2xAA, AAA or N cells					A9190002	774-728

219605

	Order Code	Price Each			
		1+	10+	25+	+
Size L Case					
Off-White	774-649	34.39	31.26	28.12	--
Black	774-650	35.08	31.89	28.68	--
Size S Case					
Off-White	774-686	22.25	20.23	18.15	--
Accessories					
Battery Clips	774-728	4.21	3.88	3.53	--

ABS Soft Sided Hand Held Enclosure



- Ergonomically designed for hand-held comfort
- Choice of two versions (with or without battery door & compartment) - in two sizes - in two colors
- Over molded in general purpose ABS plastic with a soft grey plastic grip
- Top cover is recessed for membrane display or keypad



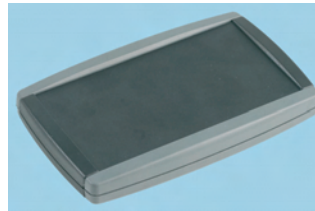
- P.C. board standoffs are molded into case (see drawings or photos for more details)
- Includes removable front panel (for easy modifications) and assembly hardware
- Battery door & compartment version includes 4 battery clips (for 2 - AA batteries) and a 9 volt (PP3) battery clip
- Choice of two enclosure colors, light grey (RAL 7035) or black (RAL 9011) - soft side "grip" plastic color is grey (RAL 7012)

Length	Width	Depth	Mfrs. List No.	Order Code
Without Battery Compartment				
117	79	24	1553BBK	100-9437
117	79	24	1553BGY	100-9438
147	89	25	1553DBK	100-9439
147	89	25	1553DGY	100-9440
With Battery Compartment				
117	79	24	1553BBKBAT	100-9441
117	79	24	1553BGYBAT	100-9442
147	89	25	1553DBKBAT	100-9443
147	89	25	1553DGYBAT	100-9444

415747

Mfrs. List No.	Order Code	Price Each			
		1+	10+	50+	100+
Without Battery Compartment					
Black					
1553BBK	100-9437	11.55	10.63	9.83	8.91
1553DBK	100-9439	12.60	11.59	10.73	9.72
Grey					
1553BGY	100-9438	11.55	10.63	9.83	8.91
1553DGY	100-9440	12.60	11.59	10.73	9.72
With Battery Compartment					
Black					
1553BBKBAT	100-9441	16.80	15.46	14.30	12.96
1553DBKBAT	100-9443	18.90	17.39	16.09	14.58
Grey					
1553BGYBAT	100-9442	16.80	15.46	14.30	12.96
1553DGYBAT	100-9444	18.90	17.39	16.09	14.58

Teknet Cases



- Black ABS enclosures with a modern contoured shape
- Soft touch elastomer (TPU) edge grips created by multi-shot moulding
- Ergonomic shape ideal for hand-held devices
- Recessed top for membrane keypads
- Teknet B Case comes with a battery compartment and contacts



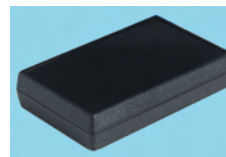
- Simple assembly by four self-tapping screws
- Pillar in top and base for PCB's
- Matt surface finish ideal for screen printing

Dimensions (mm)			Battery Compartment	Mfrs. List No.	Order Code
Length	Width	Depth			
155	96	20	No	TN11.29	831-1978
155	96	24.2	No	TN12.29	831-1986
155	96	24.2	Yes	TN21-B.29	831-1994
155	96	28.2	No	TN22.29	831-2001
155	96	28.2	Yes	TN22-B.29	831-2010

381081/406186

Mfrs. List No.	Order Code	Price Each			
		1+	10+	25+	+
TN11.29	831-1978	38.40	35.12	32.84	--
TN12.29	831-1986	40.21	36.76	34.45	--
TN21-B.29	831-1994	46.07	42.12	39.44	--
TN22.29	831-2001	47.07	42.99	40.31	--
TN22-B.29	831-2010	52.60	48.08	45.06	--

90 Series Hand Held Case



- ABS enclosures with 2AA, 4AA, PP3, and no battery compartment options
- Available in recessed or flush top finishes
- Internal mounting pillars for PCB's
- Innovative protective boot adds style and functionality
- Provides durability and protects against product damage
- Integrated tilt bar creates optimal viewing angle and keypad accessibility

Colour	Recessed Area (100 x 53)		Flush Top	
	Bone	Black	Bone	Black
Dimensions	146x91x33	146x91x33	146x91x33	146x91x33
Battery Options				
No Battery Case	495-2819	495-2856	495-2893	495-2935
2AA Battery Case	495-2820	495-2868	495-2900	495-2947
4AA Battery Case	495-2832	495-2870	495-2911	495-2959
PP3 Battery Case	495-2844	495-2881	495-2923	495-2960

Protective Boot with Integrated Tilt Bar

Colour	Fits 90 Series Case
Light Blue	495-3058
Dark Blue	495-3060
Orange	495-3071
Yellow	495-3083
Red	495-3095
Black	495-3101

337838

Mfrs. List No.	Order Code	Price Each		
		1+	10+	25+
90 Series Hand Held Case				
90-43-NO-R-BO	495-2819	17.38	15.78	14.48
90-43-2A-R-BO	495-2820	17.38	15.78	14.48
90-43-4A-R-BO	495-2832	17.38	15.78	14.48
90-43-9V-R-BO	495-2844	17.38	15.78	14.48
90-43-NO-R-BL	495-2856	17.38	15.78	14.48
90-43-2A-R-BL	495-2868	17.04	15.47	14.20
90-43-4A-R-BL	495-2870	17.38	15.78	14.48
90-43-9V-R-BL	495-2881	17.38	15.78	14.48
90-43-NO-F-BO	495-2893	17.38	15.78	14.48
90-43-2A-F-BO	495-2900	17.04	15.47	14.20
90-43-4A-F-BO	495-2911	16.20	14.70	13.49
90-43-9V-F-BO	495-2923	17.04	15.47	14.20
90-43-NO-F-BL	495-2935	17.38	15.78	14.48
90-43-2A-F-BL	495-2947	17.04	15.47	14.20
90-43-4A-F-BL	495-2959	17.38	15.78	14.48
90-43-9V-F-BL	495-2960	17.38	15.78	14.48
Protective Boot				
90-RBT-LBL	495-3058	19.84	18.03	16.52
90-RBT-DBL	495-3060	19.84	18.03	16.52
90-RBT-ORG	495-3071	19.84	18.03	16.52
90-RBT-YEL	495-3083	18.48	16.81	15.40
90-RBT-RED	495-3095	19.84	18.03	16.52
90-RBT-BL	495-3101	19.84	18.03	16.52

Prices are in Singapore Dollars and exclusive of GST. Due to the volatile nature of certain products, prices are subject to change without notice.

Mfrs. List No.	Order Code	1+	Price Each 10+	25+
Accessories				
Expander Panel, Black	495-3812	3.42	3.11	2.87
Expander Panel, Bone	495-3824	3.18	2.88	2.68
Belt Clip, Black	495-3770	3.42	3.11	2.87
Belt Clip, Bone	495-3782	3.42	3.11	2.87

100 & 90 Series Hand Held LCD Enclosures



- ABS enclosures with 2 x AA, 4 x AA, PP3 and no battery option
- Recessed area on top surface for membrane keypads
- Standard LCD windows for 2 x 16 and 2" LC modules
- Innovative boot improves durability and protects against damage
- Integrated tilt bar creates optimal viewing angle and keypad accessibility

Colour	100 Series Case		90 Series Case	
	Bone	Black	Bone	Black
Dimensions	191x102x33	191x102x33	146x91x33	146x91x33
LCD Window	2x16 LCD	2x16 LCD	2" LCD Module	2" LCD Module
Window Size	60x15mm	60x15mm	45x18mm	45x18mm
Battery Options				
No Battery Compartment	495-2674	495-2716	495-2972	495-3010
2 x AA Battery Compartment	495-2686	495-2728	495-2984	495-3022
4 x AA Battery Compartment	495-2698	495-2730	495-2996	495-3034
PP3 Battery Compartment	495-2704	495-2741	495-3009	495-3046

Protective Boot with Integrated Tilt Bar

Colour	Fits 100 Series Case	Fits 90 Series Case
Light Blue	495-2753	495-3058
Dark Blue	495-2765	495-3060
Orange	495-2777	495-3071
Yellow	495-2789	495-3083
Red	495-2790	495-3095
Black	495-2807	495-3101

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Mfrs. List No.	Order Code	1+	Price Each 10+	25+
100 Series Cases				
101-42-NO-R-BO	495-2674	22.71	20.67	18.92
101-42-2A-R-BO	495-2686	22.71	20.67	18.92
101-42-4A-R-BO	495-2698	22.71	20.67	18.92
101-42-9V-R-BO	495-2704	22.71	20.67	18.92
101-42-NO-R-BL	495-2716	22.71	20.67	18.92
101-42-2A-R-BL	495-2728	22.26	20.26	18.55
101-42-4A-R-BL	495-2730	22.71	20.67	18.92
101-42-9V-R-BL	495-2741	22.71	20.67	18.92
90 Series Cases				
91-43-NO-R-BO	495-2972	19.84	18.03	16.52
91-43-2A-R-BO	495-2984	19.45	17.68	16.20
91-43-4A-R-BO	495-2996	19.84	18.03	16.52
91-43-9V-R-BO	495-3009	19.84	18.03	16.52
91-43-NO-R-BL	495-3010	19.84	18.03	16.52
91-43-2A-R-BL	495-3022	19.84	18.03	16.52
91-43-4A-R-BL	495-3034	19.84	18.03	16.52
91-43-9V-R-BL	495-3046	19.84	18.03	16.52
100 Series Protective Boot				
100-RBT-LBL	495-2753	22.71	20.67	18.92
100-RBT-DBL	495-2765	22.71	20.67	18.92
100-RBT-ORG	495-2777	22.71	20.67	18.92
100-RBT-YEL	495-2789	22.71	20.67	18.92
100-RBT-RED	495-2790	22.71	20.67	18.92
100-RBT-BL	495-2807	22.71	20.67	18.92
90 Series Protective Boot				
90-RBT-LBL	495-3058	19.84	18.03	16.52
90-RBT-DBL	495-3060	19.84	18.03	16.52
90-RBT-ORG	495-3071	19.84	18.03	16.52
90-RBT-YEL	495-3083	18.48	16.81	15.40
90-RBT-RED	495-3095	19.84	18.03	16.52
90-RBT-BL	495-3101	19.84	18.03	16.52
Accessories				
100 Series				
Expander Panel, Black	495-3794	3.35	3.05	2.81
Expander Panel, Bone	495-3800	3.35	3.05	2.81
90 Series				
Expander Panel, Black	495-3812	3.42	3.11	2.87
Expander Panel, Bone	495-3824	3.18	2.88	2.68
90 & 100 Series				
Belt Clip, Black	495-3770	3.42	3.11	2.87
Belt Clip, Bone	495-3782	3.42	3.11	2.87

40 & 50 Series Hand Held Case



- ABS enclosures with 2AA, PP3 and no battery compartment
- Available in recessed or flush top finishes
- Tapered recessed area suits membrane and flush mount applications
- Internal mounting pillars for PCB's
- Innovative protective boot adds style and functionality
- Provides durability and protects against product damage
- Integrated tilt bar creates optimal viewing angle and keypad accessibility

Colour	40 Series Case		Flush Top	
	Recessed Area (85x49.5) Bone	Black	Bone	Black
Dimensions	95x60x26	95x60x26	95x60x26	95x60x26
Battery Options				
No Battery Compartment	495-3630	495-3654	495-3678	495-3691
PP3 Battery Compartment	495-3642	495-3666	495-3680	495-3708
50 Series Case				
Colour	Recessed Area (105x58) Bone		Flush Top	
	Black	Bone	Bone	Black
Dimensions	116x70x26	116x70x26	116x70x26	116x70x26
Battery Options				
No Battery Compartment	495-3459	495-3484	495-3514	495-3540
2AA Battery Compartment	495-3460	495-3496	495-3526	495-3551
PP3 Battery Compartment	495-3472	495-3502	495-3538	495-3563

Protective Boot with Integrated Tilt Bar

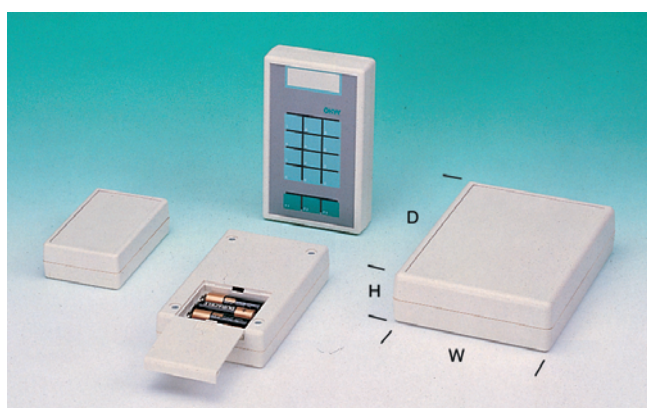
Colour	Fits 50 Series Case	Fits 40 Series Case
Light Blue	495-3575	495-3710
Dark Blue	495-3587	495-3721
Orange	495-3599	495-3733
Yellow	495-3605	495-3745
Red	495-3617	495-3757
Black	495-3629	495-3769

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Mfrs. List No.	Order Code	1+	Price Each 10+	25+
40 Series Cases				
40-12-NO-R-BO	495-3630	10.61	9.64	8.84
40-12-9V-R-BO	495-3642	10.61	9.64	8.84
40-12-NO-R-BL	495-3654	10.82	9.83	9.02
40-12-9V-R-BL	495-3666	10.82	9.83	9.02
40-12-NO-F-BO	495-3678	9.87	8.99	8.23
40-12-9V-F-BO	495-3680	10.34	9.39	8.64
40-12-NO-F-BL	495-3691	9.87	8.99	8.23
40-12-9V-F-BL	495-3708	10.14	9.21	8.47
50 Series Cases				
50-12-NO-R-BO	495-3459	18.20	16.56	15.17
50-12-2A-R-BO	495-3460	17.84	16.24	14.87
50-12-9V-R-BO	495-3472	18.20	16.56	15.17
50-12-NO-R-BL	495-3484	18.20	16.56	15.17
50-12-2A-R-BL	495-3496	18.20	16.56	15.17
50-12-9V-R-BL	495-3502	18.20	16.56	15.17
50-12-NO-F-BO	495-3514	16.63	15.10	13.86
50-12-2A-F-BO	495-3526	16.30	14.80	13.59
50-12-9V-F-BO	495-3538	15.50	14.06	12.92
50-12-NO-F-BL	495-3540	16.63	15.10	13.86
50-12-2A-F-BL	495-3551	16.30	14.80	13.59
50-12-9V-F-BL	495-3563	16.63	15.10	13.86
Protective Boot for 50 Series				
50-RBT-LBL	495-3575	18.98	17.28	15.81
50-RBT-DBL	495-3587	18.98	17.28	15.81
50-RBT-ORG	495-3599	18.98	17.28	15.81
50-RBT-YEL	495-3605	18.98	17.28	15.81
50-RBT-RED	495-3617	18.61	16.94	15.50
50-RBT-BL	495-3629	18.61	16.94	15.50
Protective Boot for 40 Series				
40-RBT-LBL	495-3710	11.27	10.24	9.39
40-RBT-DBL	495-3721	11.27	10.24	9.39
40-RBT-ORG	495-3733	11.05	10.04	9.21
40-RBT-YEL	495-3745	11.27	10.24	9.39
40-RBT-RED	495-3757	11.27	10.24	9.39
40-RBT-BL	495-3769	11.27	10.24	9.39
Accessories				
50 Series				
End Plate, Black x 10	495-3897	1.00	0.94	0.84
End Plate, Bone x 10	495-3903	1.00	0.94	0.84
End Plate, Infra Red x 10	495-3915	2.34	2.14	1.98
40 Series				
End Plate, Black x 10	495-3927	6.14	--	--
End Plate, Bone x 10	495-3939	1.00	0.94	0.84
End Plate, Infra Red x 10	495-3940	2.34	2.14	1.98
40 & 50 Series				
Belt Clip, Black	495-3770	3.42	3.11	2.87
Belt Clip, Bone	495-3782	3.42	3.11	2.87



'Shell with Recess' (Optional Battery Compartment)



- Stylish and robust cases in off-white RAL9002 textured high impact polystyrene
- Recessed top for mounting membrane keypads and product labels
- Internal mounting pillars in top and base for PCBs
- Three sizes available with or without battery compartment

Operating temperature -40°C to +80°C

External Dimensions			Recess Area	Battery Compartment	Mfrs. List No.	Order Code
H	W	D				
33.5	72	114	60x102x1	none	A9406351	775-277
33.5	95	158	81.5x144.5x1	none	A9408351	775-290
33.5	95	158	81.5x144.5x1	4 x 1.5V x AA	A9408357	775-307
45.5	138	190	120x172x1	none	A9413351	775-319
45.5	138	190	120x172x1	4 x 1.5V x AA	A9413357	775-320

230634

Order Code	Price Each			+
	1+	10+	25+	
775-277	32.01	29.38	26.55	--
775-290	36.39	33.38	30.01	--
775-307	48.03	43.99	39.82	--
775-319	45.39	41.63	37.71	--
775-320	56.07	51.43	46.62	--

Desktop/Wall Mount Electronic Enclosures



Elegant



- Two part Impact resistant polystyrene construction
- Table top and wall mounting design
- PCB mountings available in lid and base
- Ventilated type available for sounders, alarms, etc
- Textured lid
- Agate grey/Light grey (similar RAL7038/RAL7035) colour
- Supplied with lid fixing screws

Operating temperature -40°C to +65°C

External Dimensions			PCB Centres		Ventilated Order Code	Non-Ventilated Order Code
H	W	D	Top	Bottom		
30	67	125	97/30x39	86x48	—	480-824
50	67	125	97/30x39	86x48	480-850	—
45	82	150	122/40x54	116x63	—	480-873
60	82	150	112/40x54	116x63	480-897	—
50	112	200	172/44x84	153.7x84	480-927	480-915
70	112	200	172/44x84	153.7x84	—	480-939

*7mm off-centre

218911

External Dimensions			Order Code	Price Each				
H	W	D		1+	10+	25+	+	+
Ventilated								
50	67	125	480-850	24.27	23.24	22.33	--	--
60	82	150	480-897	28.73	27.52	26.42	--	--
50	112	200	480-927	31.91	30.57	29.36	--	--
Non-Ventilated								
30	67	125	480-824	23.44	22.47	21.56	--	--
45	82	150	480-873	27.25	26.11	--	--	--
50	112	200	480-915	33.14	31.77	30.49	--	--
70	112	200	480-939	35.32	33.85	32.49	--	--

Hand-Held - 'RC Series'



ABS

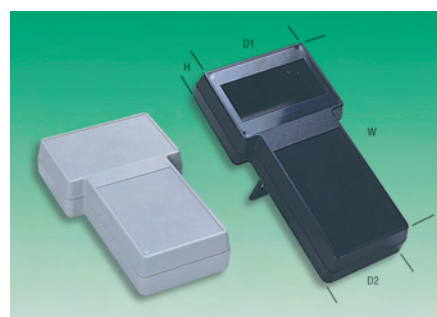


- Moulded in ABS
- Recessed top cover allows for membrane switches and overlays
- Includes both a removable front blank ABS panel and an infra-red ruby lens panel (except 318-5035)
- Easily accessible compartment for 1 x PP3 battery
- Plastic belt-clip available for specific versions
- Model RCS 24-9VB-top (order codes 318-5072 and 318-5084) front cover slopes downward (see photo)
- All necessary hardware supplied

231082

External Dimensions			Colour	Order Code	Price Each		
H	W	D			1+	25+	50+
Without Belt Clip							
24	64	75	Black	318-5035	8.80	8.36	7.95
23	64	117	Black	318-5059	12.15	11.68	10.78
23	64	117	PC Bone	318-5060	12.15	11.68	10.78
23	64	117	Black	318-5072	13.05	12.39	11.13
23	64	117	PC Bone	318-5084	12.15	11.68	10.78
20	70	165	Black	318-5114	15.84	15.17	14.83
With Belt Clip							
18	64	75	Black	318-5138	11.05	10.55	10.35
18	64	75	PC Bone	318-5140	11.05	10.55	10.35
23	64	117	Black	318-5151	14.97	14.36	14.03

Optional Window
ABS (High Impact)



- High impact ABS cases
- Internal PCB mounting pillars for self-tapping screws
- Removable tilt stand. Can also be used as wall mounting
- Available with open display window or solid front
- Case held together by 6 M3 screws (supplied)

Display Aperture 101.5 x 44.5			
External Dimensions			
H	W	D ₁	D ₂
45	237	131	95

230639

18

Enclosures, Boxes & Equipment Racking

	Order Code	Price Each			
		1+	5+	10+	+
With Display Window					
Black	109-4716 ●	56.81	52.29	47.29	--
Light Grey	579-816 ▲	53.10	50.82	45.30	--
Solid Front					
Black	109-4717 ●	45.10	43.19	38.44	--
Light Grey	579-830 ▲	56.78	53.30	48.20	--

Grip-Tech Hand-Held Enclosure

Type 1



The Grip-Tech range features unique interchangeable rubber side grips allowing for off-the-shelf colour integration to fit customer specific colour requirements. They are all **NEMA 4** rated and moulded with polycarbonate material for extreme durability.



- Polycarbonate material
- **UL94-V0** rated
- **NEMA 4** sealing
- Brass assembly inserts
- Stainless steel assembly screws
- Screw on battery door
- Changeable side grips
- Available with LCD/screen cutouts

Size	Length	Width	Depth
Small	190	124	50
Medium	210	124	51
Large	240	140	51

Window Size (mm)	Height	Width
2 x 16 - LCD & 2 x 16 Compact	15.8	61
2 x 20 Compact	20	46
4 x 16	25.2	61.8
4 x 20 & 4 x 20 Compact	25.2	76

- How To Order:-**
 1. Pick enclosure style and size
 2. Pick side grips for case (sold separealy)
 3. Pick battery holder (sold separealy)

416419

Type	Colour	Mftrs. List No.	Order Code	1+	5+	15+
Small						
No LCD	Black	210-12-BK	101-4385 ●	55.34	50.62	45.16
No LCD	White	210-12-TW	101-4386 ●	55.34	50.62	45.16
2 x 16 - LCD	Black	211-12-BK	101-4387 ●	55.34	50.62	45.16
2 x 16 - LCD	White	211-12-TW	101-4388 ●	55.34	50.62	45.16
2 x 20 Compact	Black	212-12-BK	101-4391 ●	55.34	50.62	45.16
2 x 20 Compact	White	212-12-TW	101-4392 ●	55.34	50.62	45.16
4 x 20 Compact	Black	213-12-BK	101-4393 ●	55.34	50.62	45.16
4 x 20 Compact	White	213-12-TW	101-4394 ●	55.34	50.62	45.16
Medium						
No LCD	Black	220-12-BK	101-4395 ●	59.09	53.74	48.21
No LCD	White	220-12-TW	101-4396 ●	59.09	53.74	48.21
2 x 16	Black	221-12-BK	101-4397 ●	59.09	53.74	48.21
2 x 16	White	221-12-TW	101-4398 ●	59.09	53.74	48.21
2 x 16 Compact	Black	222-12-BK	101-4399 ●	59.09	53.74	48.21
2 x 16 Compact	White	222-12-TW	101-4400 ●	59.09	53.74	48.21
4 x 16	Black	223-12-BK	101-4401 ●	59.09	53.74	48.21
4 x 16	White	223-12-TW	101-4402 ●	59.09	53.74	48.21
Large						
No LCD	Black	230-12-BK	101-4403 ●	63.81	58.09	52.23
No LCD	White	230-12-TW	101-4404 ●	63.81	58.09	52.23
4 x 20	Black	231-12-BK	101-4405 ●	63.81	58.09	52.23
4 x 20	White	231-12-TW	101-4406 ●	63.81	58.09	52.23
2 x 16	Black	232-12-BK	101-4408 ●	63.81	58.09	52.23
2 x 16	White	232-12-TW	101-4409 ●	63.81	58.09	52.23
2 x 16 Compact	Black	233-12-BK	101-4410 ●	63.81	58.09	52.23
2 x 16 Compact	White	233-12-TW	101-4411 ●	63.81	58.09	52.23
4 x 16	Black	234-12-BK	101-4412 ●	63.81	58.09	52.23
4 x 16	White	234-12-TW	101-4413 ●	63.81	58.09	52.23
72 x 51mm	Black	235-12-BK	101-4414 ●	63.81	58.09	52.23
72 x 51mm	White	235-12-TW	101-4415 ●	63.81	58.09	52.23

Grip-Tech Hand-Held Enclosure

Type 2



The Grip-Tech range features unique interchangeable rubber side grips allowing for off-the-shelf colour integration to fit customer specific colour requirements. They are all **NEMA 4** rated and moulded with polycarbonate material for extreme durability.



- Polycarbonate material
- **UL94-V0** rated
- **NEMA 4** sealing
- Brass assembly inserts
- Stainless steel assembly screws
- Screw on battery door
- Changeable side grips
- Available with LCD/screen cutouts

Size	Length	Width	Depth
Small	165	120	48
Medium	203	126	53
Large	266	134	53

Window Size (mm)	Height	Width
2 x 16 - LCD & 2 x 16 Compact	15.8	61
2 x 20 Compact	20	46
4 x 16	25.2	61.8
4 x 20 & 4 x 20 Compact	25.2	76

- How To Order:-**
 1. Pick enclosure style and size
 2. Pick side grips for case (sold separealy)
 3. Pick battery holder (sold separealy)

Type	Colour	Mftrs. List No.	Order Code	1+	5+	15+
Small						
No LCD	Black	310-12-BK	101-4416 ●	55.34	50.62	45.16
No LCD	White	310-12-TW	101-4417 ●	55.34	50.62	45.16
2 x 16 - LCD	Black	311-12-BK	101-4418 ●	55.34	50.62	45.16
2 x 16 - LCD	White	311-12-TW	101-4421 ●	55.34	50.62	45.16
2 x 20 Compact	Black	312-12-BK	101-4422 ●	55.34	50.62	45.16
2 x 20 Compact	White	312-12-TW	101-4423 ●	55.34	50.62	45.16
4 x 20 Compact	Black	313-12-BK	101-4424 ●	55.34	50.62	45.16
4 x 20 Compact	White	313-12-TW	101-4425 ●	55.34	50.62	45.16
Medium						
No LCD	Black	320-12-BK	101-4426 ●	59.09	53.74	48.21
No LCD	White	320-12-TW	101-4427 ●	59.09	53.74	48.21
2 x 16	Black	321-12-BK	101-4428 ●	59.09	53.74	48.21
2 x 16	White	321-12-TW	101-4429 ●	59.09	53.74	48.21
2 x 16 Compact	Black	322-12-BK	101-4430 ●	59.09	53.74	48.21
2 x 16 Compact	White	322-12-TW	101-4431 ●	59.09	53.74	48.21
4 x 16	Black	323-12-BK	101-4433 ●	59.09	53.74	48.21
4 x 16	White	323-12-TW	101-4434 ●	59.09	53.74	48.21
Large						
No LCD	Black	330-12-BK	101-4435 ●	63.81	58.09	52.23
No LCD	White	330-12-TW	101-4436 ●	63.81	58.09	52.23
4 x 20	Black	331-12-BK	101-4437 ●	63.81	58.09	52.23
4 x 20	White	331-12-TW	101-4438 ●	63.81	58.09	52.23
2 x 16	Black	332-12-BK	101-4439 ●	63.81	58.09	52.23
2 x 16	White	332-12-TW	101-4440 ●	63.81	58.09	52.23
2 x 16 Compact	Black	333-12-BK	101-4441 ●	63.81	58.09	52.23
2 x 16 Compact	White	333-12-TW	101-4442 ●	63.81	58.09	52.23
4 x 16	Black	334-12-BK	101-4443 ●	63.81	58.09	52.23
4 x 16	White	334-12-TW	101-4445 ●	63.81	58.09	52.23
72 x 51 mm	Black	335-12-BK	101-4446 ●	63.81	58.09	52.23
72 x 51 mm	White	335-12-TW	101-4447 ●	63.81	58.09	52.23

Grip-Tech Hand-Held Enclosure

Type 3



The Grip-Tech range features unique interchangeable rubber side grips allowing for off-the-shelf colour integration to fit customer specific colour requirements. They are all **NEMA 4** rated and moulded with polycarbonate material for extreme durability.



- Polycarbonate material
- **UL94-V0** rated
- **NEMA 4** sealing
- Brass assembly inserts
- Stainless steel assembly screws
- Screw on battery door
- Changeable side grips
- Available with LCD/screen cutouts

Size	Length	Width	Depth
Small	188	108	48
Medium	217	126	48
Large	254	141	57

Window Size (mm)	Height	Width
2 x 16 - LCD & 2 x 16 Compact	15.8	61
2 x 20 Compact	20	46
4 x 16	25.2	61.8
4 x 20 & 4 x 20 Compact	25.2	76

- How To Order:-**
 1. Pick enclosure style and size
 2. Pick side grips for case (sold separealy)
 3. Pick battery holder (sold separealy)

Type	Colour	Mftrs. List No.	Order Code	1+	5+	15+
Small						
No LCD	Black	410-12-BK	101-4448 ●	55.34	50.62	45.16
No LCD	White	410-12-TW	101-4449 ●	55.34	50.62	45.16
2 x 16 - LCD	Black	411-12-BK	101-4450 ●	55.34	50.62	45.16
2 x 16 - LCD	White	411-12-TW	101-4451 ●	55.34	50.62	45.16
2 x 20 Compact	Black	412-12-BK	101-4452 ●	55.34	50.62	45.16
2 x 20 Compact	White	412-12-TW	101-4453 ●	55.34	50.62	45.16
4 x 20 Compact	Black	413-12-BK	101-4454 ●	55.34	50.62	45.16
4 x 20 Compact	White	413-12-TW	101-4455 ●	55.34	50.62	45.16
Medium						
No LCD	Black	420-12-BK	101-4457 ●	59.09	53.74	48.21
No LCD	White	420-12-TW	101-4458 ●	59.09	53.74	48.21
2 x 16	Black	421-12-BK	101-4459 ●	59.09	53.74	48.21
2 x 16	White	421-12-TW	101-4460 ●	59.09	53.74	48.21
2 x 16 Compact	Black	422-12-BK	101-4461 ●	59.09	53.74	48.21



Type	Colour	Mftrs. List No.	Order Code	1+	5+	15+
Medium						
2 x 16 Compact	White	422-12-TW	101-4462	59.09	53.74	48.21
4 x 16	Black	423-12-BK	101-4463	59.09	53.74	48.21
4 x 16	White	423-12-TW	101-4464	59.09	53.74	48.21
Large						
No LCD	Black	430-12-BK	101-4465	63.81	58.09	52.23
No LCD	White	430-12-TW	101-4466	63.81	58.09	52.23
4 x 20	Black	431-12-BK	101-4467	63.81	58.09	52.23
4 x 20	White	431-12-TW	101-4469	63.81	58.09	52.23
2 x 16	Black	432-12-BK	101-4471	63.81	58.09	52.23
2 x 16	White	432-12-TW	101-4472	63.81	58.09	52.23
2 x 16 Compact	Black	433-12-BK	101-4473	63.81	58.09	52.23
2 x 16 Compact	White	433-12-TW	101-4474	63.81	58.09	52.23
4 x 16	Black	434-12-BK	101-4475	63.81	58.09	52.23
4 x 16	White	434-12-TW	101-4476	63.81	58.09	52.23
72 x 51 mm	Black	435-12-BK	101-4477	63.81	58.09	52.23
72 x 51 mm	White	435-12-TW	101-4478	63.81	58.09	52.23

Grip-Tech Hand-Held Enclosure



Type 4



The Grip-Tech range features unique interchangeable rubber side grips allowing for off-the-shelf colour integration to fit customer specific colour requirements. They are all **NEMA 4** rated and moulded with polycarbonate material for extreme durability.



- Polycarbonate material
- **UL94-V0** rated
- **NEMA 4** sealing
- Brass assembly inserts
- Stainless steel assembly screws
- Screw on battery door
- Changeable side grips
- Available with LCD/screen cutouts

Size	Length	Width	Depth	Height	Width
Small	180	110	49	20	61
Medium	229	110	49	25.2	61.8
Large	260	126	49	25.2	76

- How To Order:-
1. Pick enclosure style and size
 2. Pick side grips for case (sold separately)
 3. Pick battery holder (sold separately)

Type	Colour	Mftrs. List No.	Order Code	1+	5+	15+
Small						
No LCD	Black	510-12-BK	101-4479	55.34	50.62	45.16
No LCD	White	510-12-TW	101-4480	55.34	50.62	45.16
2 x 16 - LCD	Black	511-12-BK	101-4482	55.34	50.62	45.16
2 x 16 - LCD	White	511-12-TW	101-4483	55.34	50.62	45.16
2 x 20 Compact	Black	512-12-BK	101-4484	55.34	50.62	45.16
2 x 20 Compact	White	512-12-TW	101-4485	55.34	50.62	45.16
4 x 20 Compact	Black	513-12-BK	101-4486	55.34	50.62	45.16
4 x 20 Compact	White	513-12-TW	101-4487	55.34	50.62	45.16
Medium						
No LCD	Black	520-12-BK	101-4488	59.09	53.74	48.21
No LCD	White	520-12-TW	101-4489	59.09	53.74	48.21
2 x 16	Black	521-12-BK	101-4490	59.09	53.74	48.21
2 x 16	White	521-12-TW	101-4491	59.09	53.74	48.21
2 x 16 Compact	Black	522-12-BK	101-4492	59.09	53.74	48.21
2 x 16 Compact	White	522-12-TW	101-4494	59.09	53.74	48.21
4 x 16	Black	523-12-BK	101-4495	59.09	53.74	48.21
4 x 16	White	523-12-TW	101-4496	59.09	53.74	48.21
Large						
No LCD	Black	530-12-BK	101-4497	63.81	58.09	52.23
No LCD	White	530-12-TW	101-4498	63.81	58.09	52.23
4 x 20	Black	531-12-BK	101-4499	63.81	58.09	52.23
4 x 20	White	531-12-TW	101-4501	63.81	58.09	52.23
2 x 16	Black	532-12-BK	101-4502	63.81	58.09	52.23
2 x 16	White	532-12-TW	101-4503	63.81	58.09	52.23
2 x 16 Compact	Black	533-12-BK	101-4504	63.81	58.09	52.23
2 x 16 Compact	White	533-12-TW	101-4505	63.81	58.09	52.23
4 x 16	Black	534-12-BK	101-4506	63.81	58.09	52.23
4 x 16	White	534-12-TW	101-4507	63.81	58.09	52.23
72 x 51mm	Black	535-12-BK	101-4508	63.81	58.09	52.23
72 x 51mm	White	535-12-TW	101-4509	63.81	58.09	52.23

Grip-Tech Accessories
Battery Compartment



A range of battery compartments especially made for the Grip-Tech range of enclosures.



Type	Colour	Mftrs. List No.	Order Code	1+	5+	15+
Small						
4 x AA	Black	SBH-29V-BK	101-4510	1.84	1.61	1.41
4 x AA	White	SBH-29V-TW	101-4512	1.84	1.61	1.41
2 x 9V	Black	SBH-2AA-BK	101-4513	1.84	1.61	1.41
2 x 9V	White	SBH-2AA-TW	101-4514	1.84	1.61	1.41
2 x AA	Black	SBH-4AA-BK	101-4515	1.84	1.61	1.41
2 x AA	White	SBH-4AA-TW	101-4516	1.84	1.61	1.41
1 x 9V	Black	SBH-9V-BK	101-4517	1.84	1.61	1.41
1 x 9V	White	SBH-9V-TW	101-4518	1.84	1.61	1.41

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Grip-Tech Accessories
Rubber Side Grips



A range of rubber side grips especially made for the Grip-Tech range of enclosures.

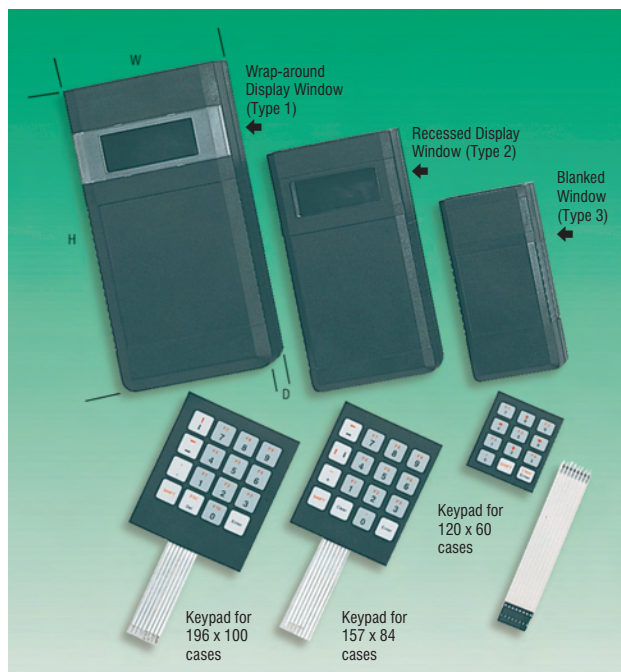


Type	Colour	Mftrs. List No.	Order Code	1+	5+	15+
Type 1						
Small						
	Black	21G-BK	101-4519	3.35	3.08	2.85
	Green	21G-GR	101-4520	3.35	3.08	2.85
	Grey	21G-GY	101-4521	3.35	3.08	2.85
	Blue	21G-LB	101-4522	3.35	3.08	2.85
	White	21G-OW	101-4524	3.35	3.08	2.85
	Red	21G-RD	101-4525	3.35	3.08	2.85
	Beige	21G-BG	101-4526	3.35	3.08	2.85
Medium						
	Black	22G-BK	101-4527	3.35	3.08	2.85
	Green	22G-GR	101-4528	3.35	3.08	2.85
	Grey	22G-GY	101-4529	3.35	3.08	2.85
	Blue	22G-LB	101-4530	3.35	3.08	2.85
	White	22G-OW	101-4531	3.35	3.08	2.85
	Red	22G-RD	101-4532	3.35	3.08	2.85
	Beige	22G-BG	101-4533	3.35	3.08	2.85
Large						
	Black	23G-BK	101-4534	4.69	4.45	4.22
	Green	23G-GR	101-4536	4.69	4.45	4.22
	Grey	23G-GY	101-4537	4.69	4.45	4.22
	Blue	23G-LB	101-4538	4.69	4.45	4.22
	White	23G-OW	101-4539	4.69	4.45	4.22
	Red	23G-RD	101-4540	4.69	4.45	4.22
	Beige	23G-BG	101-4541	4.69	4.45	4.22
Type 2						
Small						
	Black	31G-BK	101-4542	3.35	3.08	2.85
	Green	31G-GR	101-4543	3.35	3.08	2.85
	Grey	31G-GY	101-4544	3.35	3.08	2.85
	Blue	31G-LB	101-4545	3.35	3.08	2.85
	White	31G-OW	101-4546	3.35	3.08	2.85
	Red	31G-RD	101-4548	3.35	3.08	2.85
	Beige	31G-BG	101-4549	3.35	3.08	2.85
Medium						
	Black	32G-BK	101-4550	3.35	3.08	2.85
	Green	32G-GR	101-4551	3.35	3.08	2.85
	Grey	32G-GY	101-4552	3.35	3.08	2.85
	Blue	32G-LB	101-4553	3.35	3.08	2.85
	White	32G-OW	101-4554	3.35	3.08	2.85
	Red	32G-RD	101-4555	3.35	3.08	2.85
	Beige	32G-BG	101-4556	3.35	3.08	2.85
Large						
	Black	33G-BK	101-4557	4.69	4.45	4.22
	Green	33G-GR	101-4558	4.69	4.45	4.22
	Grey	33G-GY	101-4561	4.69	4.45	4.22
	Blue	33G-LB	101-4562	4.69	4.45	4.22

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Type	Colour	Mfrs. List No.	Order Code	1+	5+	15+
Large						
	White	33G-OW	101-4563	4.69	4.45	4.22
	Red	33G-RD	101-4564	4.69	4.45	4.22
	Beige	33G-BG	101-4565	4.69	4.45	4.22
Type 3						
Small						
	Black	41G-BK	101-4566	3.35	3.08	2.85
	Green	41G-GR	101-4567	3.35	3.08	2.85
	Grey	41G-GY	101-4568	3.35	3.08	2.85
	Blue	41G-LB	101-4569	3.35	3.08	2.85
	White	41G-OW	101-4570	3.35	3.08	2.85
	Red	41G-RD	101-4571	3.35	3.08	2.85
	Beige	41G-BG	101-4573	3.35	3.08	2.85
Medium						
	Black	42G-BK	101-4574	3.35	3.08	2.85
	Green	42G-GR	101-4575	3.35	3.08	2.85
	Grey	42G-GY	101-4576	3.35	3.08	2.85
	Blue	42G-LB	101-4577	3.35	3.08	2.85
	White	42G-OW	101-4578	3.35	3.08	2.85
	Red	42G-RD	101-4579	3.35	3.08	2.85
	Beige	42G-BG	101-4580	3.35	3.08	2.85
Large						
	Black	43G-BK	101-4581	4.69	4.45	4.22
	Green	43G-GR	101-4582	4.69	4.45	4.22
	Grey	43G-GY	101-4583	4.69	4.45	4.22
	Blue	43G-LB	101-4585	4.69	4.45	4.22
	White	43G-OW	101-4586	4.69	4.45	4.22
	Red	43G-RD	101-4587	4.69	4.45	4.22
	Beige	43G-BG	101-4588	4.69	4.45	4.22
Type 4						
Small						
	Black	51G-BK	101-4589	3.35	3.08	2.85
	Green	51G-GR	101-4590	3.35	3.08	2.85
	Grey	51G-GY	101-4591	3.35	3.08	2.85
	Blue	51G-LB	101-4592	3.35	3.08	2.85
	White	51G-OW	101-4593	3.35	3.08	2.85
	Red	51G-RD	101-4594	3.35	3.08	2.85
	Beige	51G-BG	101-4595	3.35	3.08	2.85
Medium						
	Black	52G-BK	101-4597	3.35	3.08	2.85
	Green	52G-GR	101-4598	3.35	3.08	2.85
	Grey	52G-GY	101-4599	3.35	3.08	2.85
	Blue	52G-LB	101-4600	3.35	3.08	2.85
	White	52G-OW	101-4601	3.35	3.08	2.85
	Red	52G-RD	101-4603	3.35	3.08	2.85
	Beige	52G-BG	101-4604	3.35	3.08	2.85
Large						
	Black	53G-BK	101-4605	4.69	4.45	4.22
	Green	53G-GR	101-4606	4.69	4.45	4.22
	Grey	53G-GY	101-4607	4.69	4.45	4.22
	Blue	53G-LB	101-4608	4.69	4.45	4.22
	White	53G-OW	101-4609	4.69	4.45	4.22
	Red	53G-RD	101-4610	4.69	4.45	4.22
	Beige	53G-BG	101-4611	4.69	4.45	4.22

ABS Handheld Enclosure



- Attractively styled, ergonomic, black ABS construction
- Easy accessible battery compartment
- Ideal for remote controls, circuit testers, or hand held instruments
- Complete with battery connection terminal (except PP3 types)
- Available with flush wrap-around, or recessed or blanked display windows
- Supplied with fixing hardware and display window
- Self adhesive membrane keypads to suit all types of case

Operating temperature -40°C to +80°C

External Dimensions

With Battery Compartment for 1 x PP3 Battery					
Type	H	W	D	Display Aperture	Order Code
Type 1	120	60	25	47.6x17.7	151-260
Type 3	120	60	25	—	151-262
Type 2	157	84	30	58x23	480-952

With Battery Compartment for 4 x AA Batteries					
Type	H	W	D	Display Aperture	Order Code
Type 1	196	100	40	61.5x25	112-4100
Type 2	196	100	40	61.5x25	480-976

219614

	Order Code	1+	10+	Price Each	25+	50+	+
With Battery Compartment for 1 x PP3 Battery							
Type 1 120 x 60 x 25	151-260	23.37	21.46	19.62	--	--	--
Type 3 120 x 60 x 25	151-262	21.40	19.28	17.58	--	--	--
Type 2 157 x 84 x 30	480-952	31.02	29.73	28.54	--	--	--
With Battery Compartment for 4 x AA Batteries							
Type 1 196 x 100 x 40	112-4100	45.84	43.93	42.19	--	--	--
Type 1 196 x 100 x 40	480-976	45.84	43.93	42.19	--	--	--
Membrane Keypads for:							
(120 x 60 x 25 series)	481-040	92.30	86.81	83.35	75.69	--	--
(157 x 84 x 30 series)	481-051	93.61	89.71	86.09	82.77	--	--
(196 x 100 x 40 series)	481-063	114.89	110.08	105.69	97.86	--	--

18

Enclosures, Boxes & Equipment Racking

Sloped - 'SH Series' (Optional Battery Compartment)



ABS



- Manufactured in ABS with sloped lid
- Recessed lid allows fitting of membrane keypad
- Versions with 1 x PP3 battery compartment, connector supplied

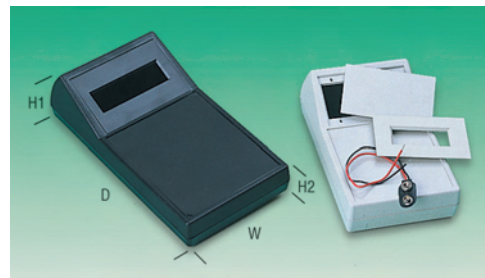
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External Dimensions				Order Code	Price Each		
H	W	D	Colour		1+	25+	50+
Without Battery Compartment							
21	91	146	Black	736-399	13.19	11.99	11.01
28	91	146	Black	736-417	14.83	13.38	11.91
With Battery Compartment							
28	91	146	Black	736-430	20.99	18.91	16.86

Hand-Held-Sloped 'HPS & HPLS' Series



ABS



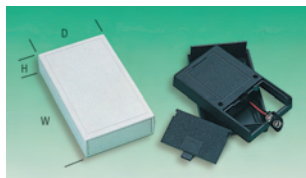
- Attractively styled case, moulded in ABS
- Recessed area allows for membrane switch and overlay
- Internally moulded bosses for mounting PCBs
- Both LCD bezel and blank panels supplied
- Versions available with 1 x PP3 battery compartment
- All necessary hardware supplied

Compliant
Non-compliant
RoHS
Limited stock - RoHS replacement available

231096

External Dimensions					Colour	Order Code	Price Each		
H ₁	H ₂	W	D	1+			25+	50+	
Without Battery Compartment									
28	48	91	146	Black	736-314	30.07	27.71	26.14	
28	53	102	191	PC Bone	736-340	37.35	34.40	32.46	
With Battery Compartment									
28	53	91	146	Black	736-351	24.01	22.14	21.16	
32	57	102	191	PC Bone	736-387	28.54	26.31	25.19	

Hand-Held 'HM/JM Series'
ABS - Sealed to IP54



- 'HM' Series**
- Moulded in ABS
 - Sealed to IP54
 - Internally moulded vertical PCB guides
 - Removable front ABS panel
 - Available with 1 x PP3 battery compartment

- 'JM' Series**
- Compact cases moulded in ABS
 - Available with or without panels

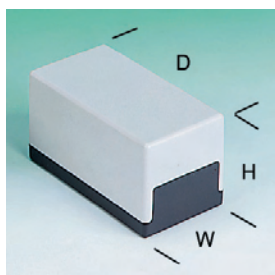
231098

External Dimensions				Colour	Order Code	Price Each		
H	W	D	1+			25+	50+	
'HM' Without Battery Compartment								
23	97	61	Black	736-211	9.40	8.98	8.46	
23	97	61	PC Bone	249-981	10.23	9.80	9.04	
33	97	61	Black	318-4808	9.05	8.60	8.16	
33	97	61	PC Bone	318-4810	8.44	8.10	7.93	
23	116	70	Black	736-223	15.80	15.02	14.23	
23	116	70	PC Bone	736-235	15.80	15.02	14.23	
36	116	70	Black	318-4821	12.22	11.72	11.42	
36	116	70	PC Bone	318-4833	13.08	12.42	11.77	
'HM' With Battery Compartment								
25	97	61	Black	736-247	11.17	10.27	9.86	
25	97	61	PC Bone	249-993	11.17	10.27	9.86	
33	97	61	Black	318-4845	10.58	10.14	9.88	
25	116	70	Black	736-259	16.08	14.98	14.13	
25	116	70	PC Bone	736-260	16.08	14.98	14.13	
38	116	70	Black	318-4869	12.28	11.68	11.06	
38	116	70	PC Bone	318-4870	12.28	11.68	11.06	
'HM' Belt/Pocket Clip for 97mm width cases								
					148-581	7.27	6.46	5.61
'JM' With Two Removable Panels								
25	61	58	Black	318-4882	4.49	4.29	4.15	
25	76	69	Black	318-4924	8.21	7.78	7.37	
25	76	69	PC Bone	318-4936	8.21	7.78	7.37	
25	97	61	Black	318-4948	8.60	8.19	7.72	
25	97	61	PC Bone	318-4950	8.00	7.70	7.47	
'JM' Without Panels								
20	41	61	Black	318-4985	4.02	3.85	3.78	

Desktop & Instrument

Desktop/Wall Mount Electronic Enclosure

Element



- High impact resistant polystyrene cases with knockouts for wall mounting
- Four internal posts allow mounting of PCBs
- Screw holes have recesses which accept sealing compound for tamper proofing
- Operating temperature -40°C to 65°C

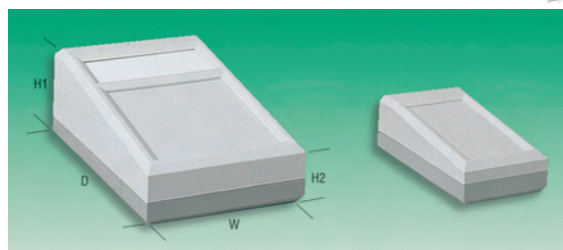
Order Code	External Dimensions		
	H	W	D
279-160	25	50	100
279-171	40	50	100
279-183	40	65	120
112-4099	65	65	120
117-7050	55	80	150
279-213	80	80	150
117-7052	70	110	188
279-237	100	110	188
787-7110	55	80	150
787-7137	70	110	188

203408

Type	Order Code	Price Each			
		1+	10+	25+	+
E410.	279-160	18.31	16.57	15.74	--
E420.	279-171	24.08	21.80	20.60	--
E430.	279-183	25.39	22.90	21.67	--
E435.	112-4099	30.21	27.99	26.46	--
E440.	117-7050	28.83	26.72	25.28	--
E445.	279-213	38.74	35.96	33.98	--

Type	Order Code	Price Each			
		1+	10+	25+	+
E450.	117-7052	37.66	34.02	32.07	--
E460.	279-237	46.40	42.72	40.54	--
E 440 VL	NEW 787-7110	24.91	21.59	19.45	--
E450 VL	NEW 787-7137	39.62	34.32	30.91	--
E450 VL	NEW 121-7477	38.84	33.65	30.30	--

Slope Faced Desktop Enclosure



- Two part impact resistant polystyrene construction
- Table top and wall mounting design
- Removable end panel for connectors, indicator etc
- PCB mountings available in lid and base
- Textured lid
- Agate grey/light grey (similar RAL7038/RAL7035) colour
- Supplied with lid fixing screws

Operating Temperature -40°C to +65°C

External Dimensions				PCB Centres		Display Aperture	Order Code
H ₁	H ₂	W	D	Top	Bottom		
40	28	67	125	85x50	86x48	—	480-990
45	28	82	150	65x77x42	116x63	—	481-002
64	35	112	200	93x88.9	153.7x88.9	87 x 38.4	481-014

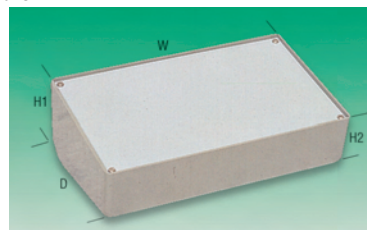
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External Dimensions				Order Code	Price Each			
H ₁	H ₂	W	D		1+	10+	25+	+
Without Display Window								
40	28	67	125	480-990	32.82	31.47	30.21	--
With Display Window								
45	28	82	150	481-002	33.58	32.17	30.90	--
64	35	112	200	481-014	40.41	38.71	37.18	--

Sloped/Panel - '1000' Series



ABS/Aluminium Panel



- Moulded in grey ABS plastic with aluminium top panel
- PCB guides and bosses provided
- Supplied with four self-adhesive feet

Order Code	External Dimensions				Fixing Centres
	W	D	H ₁	H ₂	
117-1607	161	96	57	39	117x62
117-1608	215	130	73	47	170x85

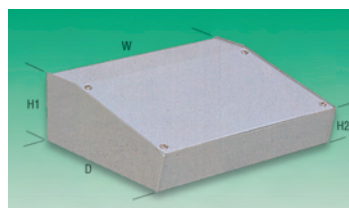
230572

Order Code	Price Each			
	1+	10+	25+	+
117-1607	13.19	12.32	11.55	--
117-1608	19.45	18.08	16.67	--

Sloped/Panel - '6000' Series



ABS/Aluminium



- Small instrument cases moulded in grey ABS with aluminium top panel
- PCB guides and bosses provided
- Ventilation slots are incorporated in the base
- Supplied with four self-adhesive feet

Order Code	W	D	H ₁	H ₂	Fixing Centres
117-1609	105	143	55.5	31.5	60x115 or 30x80
117-1610	170	143	55.5	31.5	120x115 or 30x140
117-1611	170	203.8	81.8	31.5	120x175 or 75x140

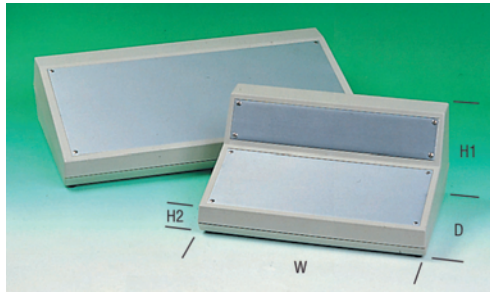
230573

Order Code	1+	10+	25+
117-1609	15.13	13.93	12.52
117-1610	18.51	16.97	15.00
117-1611	27.35	25.24	22.57

Sloped Consoles - 'Abox'

RETEX

ABS/Aluminium Panel



- Sloping front desk top cases moulded in grey ABS
- With 2mm thick natural coloured anodised aluminium panels
- Base mouldings incorporate bosses for mounting PCBs and eurocards
- Can easily be drilled or punched
- Supplied with non-slip push-on PVC feet
- Withstands continuous heat up to 85°C

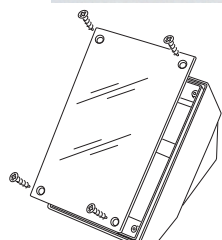
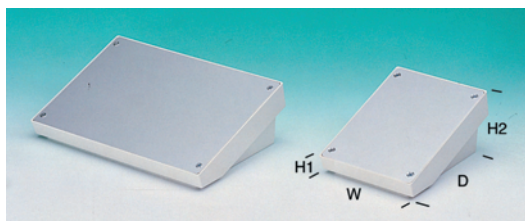
230574

External Dimensions				Order Code	Price Each		
H ¹	H ²	W	D		1+	10+	25+
Without Raised Roof							
62	33	190	120	117-1612	46.54	42.72	40.78
78	33	262	185	117-1613	65.42	60.03	57.28
85	35	400	230	117-1615	124.95	114.70	109.48
With Raised Roof							
117	33	260	185	117-1614	67.63	62.34	59.36
145	35	400	230	117-1617	135.33	124.24	118.49

Sloped/Panel - 'Datec Terminal S & SL'

OKW

ABS/Aluminium Panel



- Modern, ergonomic, large ABS desktop housing with inclined operating area
- Ideal for small terminals, point of sale, peripherals, data collection and measuring equipment
- Two sizes, in off-white RAL9002, supplied with aluminium front panel
- Size S accepts a single Eurocard, size SL accepts a double Eurocard
- Four non-slip feet provided

Operating Temperature -40°C to +90°C

Size	External Dimensions				Front Panel	Order Code
	H ₁	H ₂	W	D		
Size S	24	86	140	181.2	126 x 176	774-868
Size SL	24	86	264	181.2	259.4 x 176	774-856

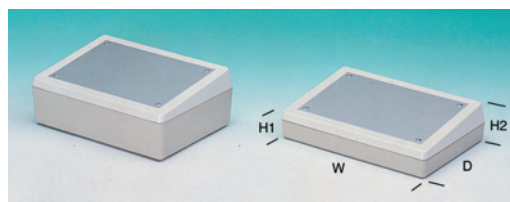
230578

Order Code	Price Each		
	1+	5+	10+
Size S	774-868	83.85	78.90
Size SL	774-856	120.27	113.40

Sloped/Panel - 'Desk 190'

OKW

ABS/Aluminium Panel



- Modern, ergonomic ABS desk cases with top aperture for an aluminium front panel
- Ideal for test and measurement, point of sale, intercom, security and medical devices etc
- Two sizes in off RAL9002/pebble grey RAL7032 colour combination
- Internal mounting pillars in base for PCB's and assemblies

Operating Temperature -40°C to +90°C

	External Dimensions				Front Panel	Mftrs. List No.	Order Code
	H ₁	H ₂	W	D			
190F	31.5	47	190	138	106 x 161x1.5	A9086265	775-083
190H	54.5	70	190	138	106 x 161x1.5	A9086365	775-095

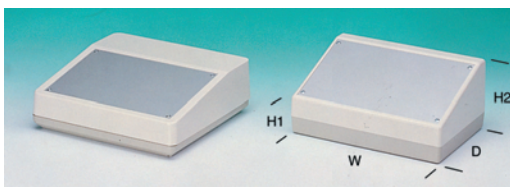
230579

	Order Code	Price Each		
		1+	5+	10+
190F	775-083	47.36	43.41	39.29
190H	775-095	49.15	45.05	41.80
Front Panel For Both	775-125	16.21	14.89	14.55

Sloped/Panel - 'Desk'

OKW

PS/Aluminium Panel



- Stylish high impact polystyrene desk cases with top aperture for an aluminium front panel
- Ideal for test and measurement, point of sale, intercom, security and medical devices etc
- Two types in off-white RAL9002/pebble grey RAL7032 colour combination
- Internal mounting pillars in base for PCBs and assemblies

Operating Temperature -40°C to +80°C

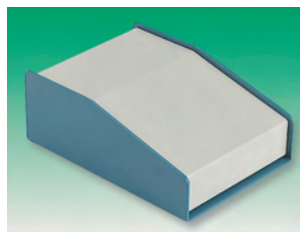
	External Dimensions				Front Panel	Mftrs. List No.	Order Code
	H ₁	H ₂	W	D			
220	52	100	220	156	205.5 x 129.4x1.5	A9082065	775-101
Combi	50	76	228	216	200 x 130x1.5	A9084165	775-113

230580

	Order Code	Price Each		
		1+	5+	10+
220	775-101	66.88	61.23	55.52
Combi	775-113	77.45	71.01	64.36
Front Panel for 220	775-137	21.61	19.79	17.94
Front Panel for Combi	775-149	16.54	15.18	14.42

Aluminium Console

HIMMUND MANUFACTURING



- Easy to machine aluminium top and case (2mm thick)
- Case is finished with a textured blue powder paint
- Top panel is finished in a smooth light grey/beige powder paint

Mftrs. List No.	H ₁	H ₂	W	D	Slope Panel	Order Code
1456CE2WHBU	51	28	102	140	84 x 102	353-7006
1456FE2WHBU	51	28	165	140	84 x 165	353-7018
1456KH3WHBU	76	33	254	211	160 x 254	353-7020
1456PL3WHBU	76	33	356	287	160 x 356	353-7031
1456FE3WHBU	76	28	165	140	94 x 165	353-7043
1456KE3WHBU	76	28	254	140	94 x 254	353-7055
1456FG4WHBU	102	28	165	183	145 x 165	353-7067
1456KG4WHBU	102	28	254	183	145 x 254	353-7079
1456KK4WHBU	102	28	254	259	145 x 254	353-7080
1456PK4WHBU	102	28	356	258	145 x 356	353-7092
1456RK4WHBU	102	28	432	259	145 x 432	353-7109

18

Enclosures, Boxes & Equipment Racking

Compliant Non-compliant Limited stock - RoHS replacement available

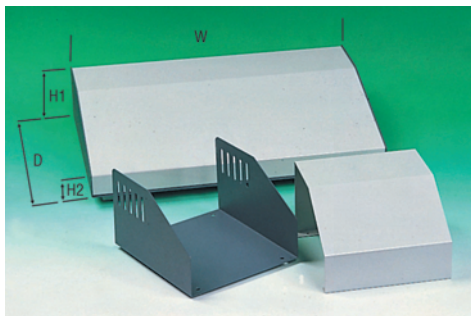
RoHS



230581

Mfrs. List No.	Order Code	1+	5+	10+	25+	+
1456CE2WHBU	353-7006	32.89	30.22	28.03	25.37	--
1456FE2WHBU	353-7018	45.11	41.46	38.45	34.80	--
1456KH3WHBU	353-7020	58.84	54.08	50.16	45.39	--
1456PL3WHBU	353-7031	58.84	54.08	50.16	45.39	--
1456FE3WHBU	353-7043	45.11	41.46	38.45	34.80	--
1456KE3WHBU	353-7055	54.87	50.43	46.77	42.33	--
1456FG4WHBU	353-7067	49.27	45.28	41.99	38.01	--
1456KG4WHBU	353-7079	58.84	54.08	50.16	45.39	--
1456KK4WHBU	353-7080	64.64	59.41	55.10	49.86	--
1456PK4WHBU	353-7092	54.87	50.43	46.77	42.33	--
1456RK4WHBU	353-7109	64.64	59.41	55.10	49.86	--

Sloped Console
Steel



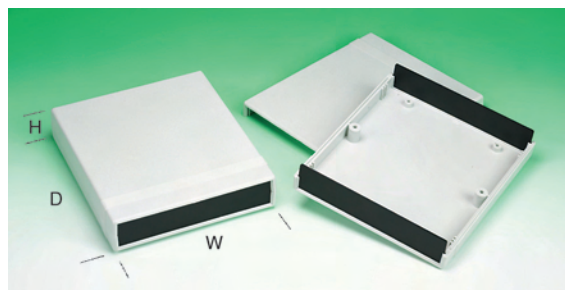
- Robust console cases finished in two-tone grey acrylic paint
- Steel base plate and side panels. Integral top and back panel
- Ventilation slots provided on both side panels
- Supplied with self-adhesive rubber feet
- Ideal for small consoles and power supplies

External Dimensions				Order Code
H ₁	H ₂	W	D	
54	29	152	29	100-9534
54	29	188	29	100-9535
54	30	297	30	100-9536
58	32	117	159	722-406
96	47	216	47	100-9537
100	74	196	159	722-418
100	50	350	180	722-431

230585

Mfrs. List No.	Order Code	1+	5+	10+
515-0910	722-406	32.80	30.12	27.88
515-0920	NEW 100-9534	37.82	34.72	32.15
515-0930	NEW 100-9535	46.40	42.60	39.44
515-0940	722-418	54.76	52.60	48.69
515-0950	NEW 100-9536	66.40	60.96	56.44
519-0920	722-431	83.42	76.60	70.91
519-0910	NEW 100-9537	64.81	59.51	55.09

Panel - '1598' Series
IP54, PS

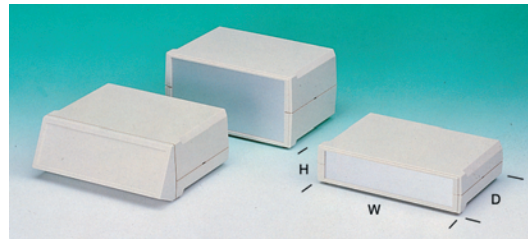


- Modern, low profile instrument cases moulded in grey polystyrene
- Front and rear panels moulded in black ABS
- Tongue and groove system provides protection against dust and water
- Sealed to IP54
- PC card guides and bosses provided in base and lid

203441

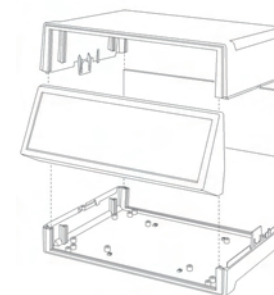
External Dimensions			Order Code	Price Each			
H	W	D		1+	5+	10+	25+
36	94	157	930-076	11.52	10.60	9.79	8.87
50	135	134	930-088	12.66	11.65	10.76	9.75
36	154	179	930-090	12.96	11.92	11.02	9.98
52	155	180	930-106	14.34	13.19	12.19	11.04
64	206	180	930-118	16.98	15.62	14.43	13.07
40	160	250	930-131	17.28	15.90	14.69	13.31
76	160	250	930-143	19.32	17.77	16.42	14.88
40	200	280	930-155	19.98	18.38	16.98	15.38
76	200	280	930-167	20.58	18.93	17.49	15.85

Panel - 'Motec' PS



- Modern desk cases in high impact polystyrene with wide front and rear panel apertures
- Ideal for measurement, control, modem, peripherals and medical equipment etc.
- Large range in off-white RAL9002 with three plan sizes L, M and S, each with three heights
- Strong clip-together assembly, disassembly by screw driver only - for security
- Optional aluminium and plastic sloping panels for mounting controls, displays and membranes
- Internal mounting pillars for PCBs, and four non-slip feet provided

Motor case



Operating Temperature -40°C to +80°C

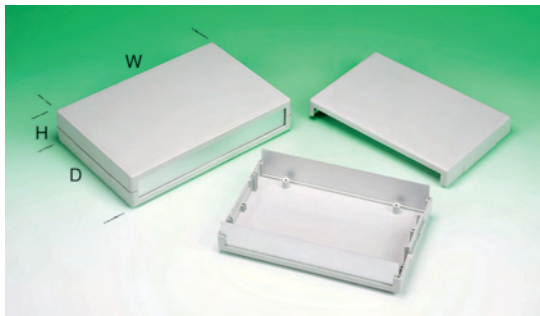
External Dimensions	Front Panel	Mfrs. List No.	Order Code			
				H	W	D
Motec Cases						
Cases L	85	235	165	—	B3023127	774-881
Cases L	110	235	165	—	B3023137	774-893
Cases M	50	205	140	—	B3020117	774-900
Cases M	75	205	140	—	B3020127	774-911
Cases M	100	205	140	—	B3020137	774-923
Cases S	40	155	105	—	B3015117	774-935
Cases S	65	155	105	—	B3015127	774-947
Cases S	90	155	105	—	B3015137	774-959
Aluminium Front/Rear Panels						
For case height 40	32 x 136 x 1.5	B3115100	775-046			
For case height 50	42 x 185 x 1.5	B3120100	775-009			
For case height 65	57 x 136 x 1.5	B3115110	775-058			
For case height 75	67 x 185 x 1.5	B3120110	775-010			
For case height 85	77 x 214 x 1.5	B3123110	774-972			
For case height 90	82 x 136 x 1.5	B3115120	775-060			
For case height 100	92 x 185 x 1.5	B3120120	775-022			
For case height 110	102 x 214 x 1.5	B3123120	774-984			
Sloping Front Panel Moulding						
For case height 65		B3115167	775-071			
For case height 75		B3120167	775-034			
For case height 85		B3123167	774-996			

230590

Order Code	Price Each				
	1+	5+	10+	25+	
Motec L Cases					
Height 85	774-881	106.48	97.57	88.42	--
Height 110	774-893	111.87	102.54	92.92	--
Motec M Cases					
Height 50	774-900	50.72	46.48	42.12	--
Height 75	774-911	61.47	56.21	50.93	--
Height 100	774-923	65.27	59.82	54.19	--
Motec S Cases					
Height 40	774-935	32.34	29.69	26.84	--
Height 65	774-947	38.17	34.95	31.68	--
Height 90	774-959	41.08	37.67	34.16	--
Aluminium Front/Rear Panels					
For Case Height 40	775-046	3.08	2.83	2.57	2.38
For Case Height 50	775-009	4.97	4.58	4.13	3.86
For Case Height 65	775-058	3.88	3.54	3.22	2.98
For Case Height 75	775-010	6.13	5.66	5.14	4.74
For Case Height 85	774-972	10.31	9.49	8.58	8.00

	Order Code	Price Each			
		1+	5+	10+	25+
Aluminium Front/Rear Panels					
For Case Height 90	775-060 ●	4.48	4.06	3.71	3.49
For Case Height 100	775-022 ●	7.16	6.57	5.98	5.53
For Case Height 110	774-984 ●	12.00	11.02	10.01	9.30
Sloping Front Panel Moulding					
For Case Height 65	775-071 ●	15.81	14.53	13.16	13.02
For Case Height 75	775-034 ●	25.26	23.14	20.96	19.58
For Case Height 85	774-996 ●	42.03	38.55	34.94	32.60

Panel - 'Patina'
ABS (Flame Retardant)

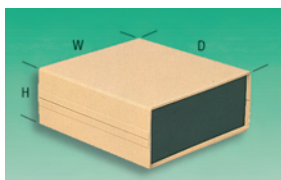


- Attractive range of ABS cases finished in grey RAL7035
- Flammability tested to **UL94V-0**. Screw or clip together design
- Anodised aluminium front and rear panels
- Moulded-in PCB mounting features
- Vertical or horizontal board mounting

203444

External Dimensions			Mftrs. List No.	Order Code	Price Each			
H	W	D			1+	5+	25+	+
40	125	65	75-265748J	929-876	23.09	21.17	19.22	--
40	154	85	75-265744L	929-890	24.83	22.73	20.69	--
60	154	85	75-265745G	929-906	27.14	24.89	22.63	--
40	180	120	75-265741H	929-920	33.63	30.84	28.02	--
65	180	120	75-265742	929-931	34.80	32.03	29.10	--
40	205	140	75-265738B	929-852	42.64	39.10	35.36	--
75	205	140	75-265739	929-955	47.53	43.62	39.58	--
110	205	140	75-265740L	929-967	58.85	53.92	49.04	--

Instrument - 'CM Series'
ABS

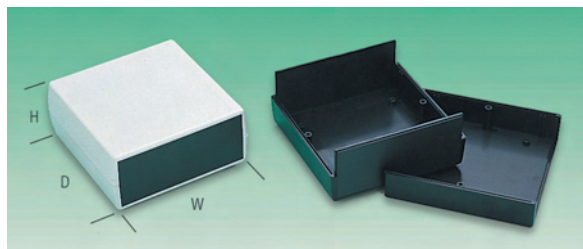


- Moulded in ABS. Four piece assembly: top, bottom covers, removable front and rear ABS panels
- Designed to house modems or other data communication equipment
- Top and bottom have bosses for mounting PCBs
- Includes rubber feet
- All necessary hardware supplied

230593

External Dimensions				Colour	Order Code	Price Each		
H	W	D	1+			25+	50+	
39.88	133.34	84.58		Black	318-4018 ●	14.20	13.59	13.26
39.88	133.34	84.58		PC Bone	318-4020 ●	14.20	13.59	13.26
44	134	84.58		Black	318-4031 ●	18.79	17.85	16.93
38	129	133		Black	318-4043 ●	17.51	17.18	16.84
38	129	133		PC Bone	318-4055 ●	20.30	19.28	18.26
64	154	159		PC Bone	250-041 ●	22.90	20.64	19.46
64	154	159		Black	318-4067 ●	23.04	21.91	20.75
35	161	241		Black	318-4079 ●	29.53	28.32	27.65
55	146	205		PC Bone	318-4183 ●	38.64	37.10	36.16

Instrument - 'LH Series'
ABS



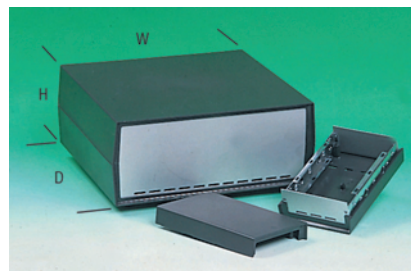
- Low profile, moulded in ABS
- Attractively styled for long-lived appearance
- Rounded corners, radius sides, and lightly textured
- Flush panels with extra panel space
- Removable front and rear ABS panels
- All necessary hardware supplied

230594

External Dimensions			Order Code	Price Each		
H	W	D		1+	25+	50+
Black						
32	114	76	605-670 ●	17.43	15.15	12.81
32	121	104	318-4330 ●	16.54	15.90	15.50
44	121	104	318-4353 ●	22.48	21.37	20.23
38	129	129	736-454 ●	21.47	20.31	19.41
57	129	129	736-478 ●	26.84	25.46	24.27
57	140	185	605-736 ●	30.78	26.76	23.33
38	154	108	605-750 ●	30.52	26.45	23.28
38	178	187	318-4377 ●	29.43	28.26	27.55
57	178	187	318-4390 ●	33.17	31.50	29.86
57	205	108	736-510 ●	29.86	28.36	25.39
57	205	241	318-4420 ●	38.67	36.72	34.78
43	300	237	605-839 ●	73.90	67.19	60.47
57	300	237	605-852 ●	75.43	68.55	58.39
PC Bone						
32	114	76	605-682 ●	17.09	14.85	12.56
32	121	104	318-4341 ●	17.74	16.89	15.97
38	205	108	736-508 ●	26.88	25.78	25.14
57	205	108	736-521 ●	29.86	28.36	25.39
57	300	237	605-864 ●	75.43	68.55	58.39

Panel - 'Elbox'
ABS

RETEX



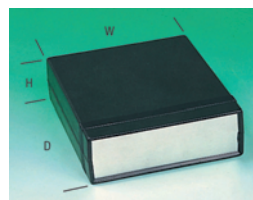
- Attractively styled cases moulded in ABS
- With 1.2mm anodised aluminium front and rear panels
- Facilities in base allow mounting of eurocards
- Ventilation slots provided in base and rear panel
- Supplied with tilt feet.

Size	External Dimensions			Front Panel		Eurocard Size	Order Code
	H	W	D	H	W		
2	56	171	145	40	152	½ (160 x 100) or (160 x 100)	117-1621
3	77	231	181	61	212	2 (160 x 100) or (220 x 100)	117-1622
4	102	247	220	86	228	2 (160 x 100) or (233 x 160)	117-1623

230597

Size	Order Code	Price Each		
		1+	10+	25+
2	117-1621 ●	41.15	38.00	36.12
3	117-1622 ●	67.06	61.67	58.82
4	117-1623 ●	85.01	78.18	74.43

Instrument Case - '1598 Series'
IP54, ABS (Flame Retardant)



- Attractively styled instrument cases sealed to **IP54**
- Flame retardant ABS construction. Flammability test to **UL94V-0**
- Tongue and groove system provides protection against dust and water ingress
- Two sets of vertical PCB guides provided in front and rear of case
- Supplied with two brushed aluminium panels

230611

External Dimensions			Order Code	Price Each		
H	W	D		1+	5+	10+
Black						
36	94	157	722-560 ●	17.32	15.36	13.83
36	154	179	384-8425 ●	21.11	18.60	16.74
50	135	134	722-583 ●	21.11	18.60	16.74
52	155	180	722-601 ●	23.99	21.14	19.03
64	206	180	722-625 ●	29.04	24.89	22.61
86	160	160	722-649 ●	30.55	26.18	23.78
40	160	250	722-662 ●	29.04	24.89	22.61
76	160	250	722-686 ●	33.43	28.65	26.03
76	200	280	722-728 ●	42.15	36.12	32.81

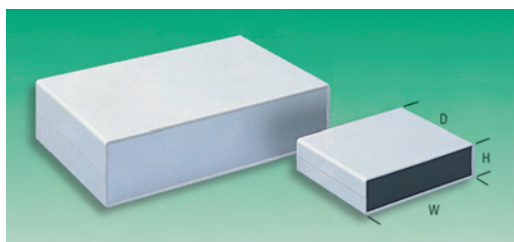
Compliant
Non-compliant
+ Limited stock - RoHS replacement available
RoHS

18

Enclosures, Boxes & Equipment Racking



Panel
ABS (Flame Retardant/Impact Resistant)

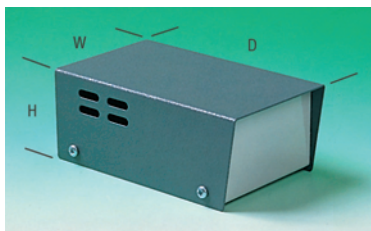


- High impact textured ABS. Flame retardant to **UL94V-0**
- Available with black ABS or aluminium front and back panels
- Guide slots for vertical mounting PCBs.
- PCB Mounting pillars for self tapping screws.
- Supplied with rubber feet except 579-749

230613

External Dimensions			Price Each				
H	W	D	Order Code	1+	5+	10+	+
Black ABS Panels							
35	140	110	109-4711	30.79	27.78	25.83	--
40	225	165	109-4712	46.74	42.89	39.94	--
65	260	180	109-4714	67.79	61.00	57.58	--
Aluminium Panels							
65	260	180	109-4715	72.46	64.58	61.33	--

Small Instrument
Steel



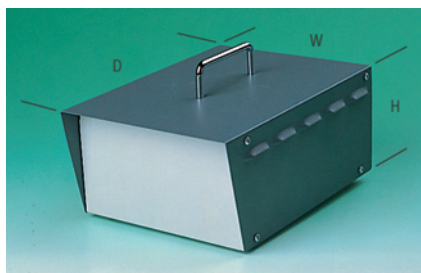
- Mild steel cases coated in two tone stove enamel paint
- Cowl type cover reduces glare from overhead lighting
- Cooling vents in cover make them ideal for power supplies, controllers, meters etc.

External Dimensions			Material Thickness		Dark Grey/ Light Grey Order Code
H	W	D	Top Cover	Base	
55	80	135	0.91 (20 SWG)	1.22 (18 SWG)	518-852
75	97	180	0.91 (20 SWG)	1.22 (18 SWG)	518-864
95	125	220	0.91 (20 SWG)	1.22 (18 SWG)	518-876

218889

Mfrs. List No.	Order Code	1+	5+	10+	25+
Dark Grey/Light Grey					
512-0900	518-852	22.24	20.42	18.91	17.09
511-0900	518-864	27.14	25.45	23.56	21.29
513-0900	518-876	37.22	34.18	31.64	28.59

Instrument
Steel



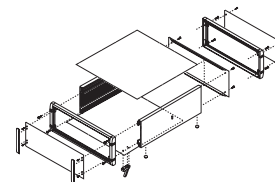
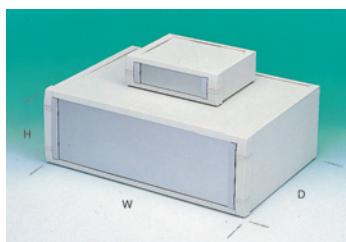
- Two part mild steel cases for portable or bench top equipment
- Top cover provides protection for front and rear panels
- Ventilation louvres on sides aid cooling

External Dimensions			Material Thickness		Handle Height	Dark Grey/ Light Grey Order Code
H	W	D	Top Cover	Base		
120	200	282	1	1.2	37	518-888
160	300	232	1	1.2	37	518-890

218890

Mfrs. List No.	Order Code	1+	5+	10+	25+
518-0910	518-888	90.55	86.78	80.34	72.60
518-0920	518-890	109.95	105.14	97.33	87.96

Panel - 'Mettec'
Aluminium



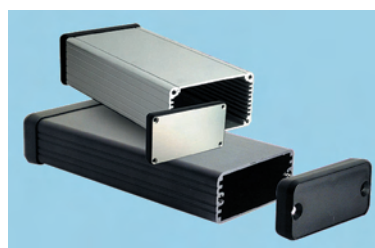
- Modern aluminium instrument cases
- Stylish front bezel enhances the look of the equipment
- Simple and very robust assembly with die-castings and extrusions
- Integrated design with good EMC shielding (65dB at 60MHz)
- Large range of cases; all supplied ready assembled
- Internal guides for mounting PCBs and chassis
- Painted off-white RAL9002 in fine textured powder polyester
- Optional aluminium front panels with ABS trims available
- Supplied with four self-adhesive rubber feet, moulded tilt feet ordered separately

External Dimensions			Usable Front Panel Area		Order Code
H	W	D	H ₁	W ₁	
85	230	180	65.1	179.5	930-260
85	250	250	65.1	199.5	930-271
85	350	250	65.1	299.5	930-283
120	230	180	100.1	179.5	930-295
120	250	250	100.1	199.5	930-301
120	350	250	100.1	299.5	930-313
150	250	263	130.1	199.5	930-325
150	350	263	130.1	299.5	930-337

203449

Mfrs. List No.	Order Code	1+	5+	10+	+
Cases					
M5723107	930-260	136.85	125.41	115.78	--
M5725107	930-271	158.24	145.04	133.88	--
M5735107	930-283	178.78	163.87	151.27	--
M5723207	930-295	145.61	133.50	123.23	--
M5725207	930-301	168.45	154.44	142.53	--
M5735207	930-313	191.36	175.43	161.92	--
M5725317	930-325	230.57	211.33	195.09	--
M5735317	930-337	264.39	242.40	223.75	--
Front Panel Kits					
M5700608 for case 85 x 230	930-362	28.39	26.04	24.06	--
M5700613 for case 85 x 250	930-374	29.55	27.08	25.03	--
M5700618 for case 85 x 350	930-386	37.63	34.47	31.85	--
M5700610 for case 120 x 230	930-398	35.64	32.65	30.15	--
M5700615 for case 120 x 250	930-404	37.21	34.08	31.47	--
M5700620 for case 120 x 350	930-416	43.30	39.68	36.65	--
M5700616 for case 150 x 250	930-428	40.76	37.34	34.47	--
M5700621 for case 150 x 350	930-430	48.73	44.67	41.25	--
Accessories					
A9257207 off-white tilt feet kit	775-472	14.82	13.58	12.37	--

Aluminium Instrument Housing
IP54



- Rugged clear anodised extruded aluminium body
- Suitable for housing PCB's, equipment interfacing or hand held applications
- PCB's mount horizontally into internal slots in the body
- All except smallest size (23mm H) have a removable large side to enable easy machining
- Two end panel options:
Version 1 - 2 x clear anodised aluminium panels can be mounted into attractive black plastic bezels or directly on to body
Version 2 - 2 x black plastic panel with integral bezel
- Hardware and 4 x self-adhesive rubber feet included

246059

Colour	External Dimensions			Order Code	Price Each			
	H	W	D		1+	5+	10+	25+
Version 1 - Clear Aluminium Panels With Black Plastic Bezels								
Clear Anodised	23	80	54	427-2810	18.64	17.70	16.36	14.84
Black	23	80	54	NEW 928-7787	22.12	20.37	18.83	17.08
Clear Anodised	23	120	54	427-2821	14.38	13.25	12.24	11.11
Black	23	120	54	NEW 928-7795	22.96	21.15	19.54	17.73
Clear Anodised	27	120	78	427-2833	22.58	20.79	19.22	17.43
Black	27	120	78	NEW 928-7809	25.80	23.76	21.96	19.92
Clear Anodised	27	160	78	427-2845	24.25	22.33	20.64	18.72
Black	27	160	78	NEW 928-7817	27.54	25.36	23.44	21.26

Prices are in Singapore Dollars and exclusive of GST. Due to the volatile nature of certain products, prices are subject to change without notice.



Colour	External Dimensions			Order Code	Price Each			
	H	W	D		1+	5+	10+	25+
Version 1 - Clear Aluminium Panels With Black Plastic Bezels								
Clear Anodised	43	120	78	427-2857	27.99	25.78	23.83	21.61
Black	43	120	78	NEW 928-7825	31.67	29.17	26.96	24.45
Clear Anodised	43	160	78	427-2869	29.28	27.80	25.69	23.31
Black	43	160	78	NEW 928-7833	33.73	31.07	28.71	26.05
Clear Anodised	31	120	103	427-2870	23.35	21.50	19.87	18.03
Black	31	120	103	NEW 928-7841	21.48	19.78	18.28	16.58
Clear Anodised	31	160	103	427-2882	25.22	23.23	21.47	19.47
Black	31	160	103	NEW 928-7850	25.28	23.28	21.52	19.52
Clear Anodised	31	220	103	427-2894	28.06	25.84	23.88	21.66
Black	31	220	103	NEW 928-7868	27.99	25.78	23.83	21.61
Clear Anodised	53	120	103	427-2900	29.35	27.03	24.98	22.66
Black	53	120	103	NEW 928-7876	34.57	31.84	29.43	26.69
Clear Anodised	53	160	103	427-2912	32.89	31.24	28.88	26.19
Black	53	160	103	NEW 928-7884	37.15	34.21	31.62	28.68
Clear Anodised	53	220	103	427-2924	37.15	35.28	32.61	29.58
Black	53	220	103	NEW 928-7892	40.96	37.72	34.86	31.62
Version 2 - Black Plastic Panels								
Clear Anodised	23	80	54	427-2936	19.79	16.84	15.86	14.89
Black	23	80	54	NEW 928-7906	17.42	16.04	14.82	13.45
Clear Anodised	23	120	54	427-2948	18.12	17.23	15.92	14.44
Black	23	120	54	NEW 928-7914	18.19	16.75	15.48	14.04
Clear Anodised	27	120	78	427-2950	18.12	16.69	15.43	13.99
Black	27	120	78	NEW 928-7922	18.38	16.93	15.65	14.19
Clear Anodised	27	160	78	427-2961	19.74	18.18	16.80	15.24
Black	27	160	78	NEW 928-7930	20.00	18.41	17.02	15.44
Clear Anodised	43	120	78	427-2973	22.16	20.67	19.11	17.33
Black	43	120	78	NEW 928-7949	24.90	22.93	21.19	19.22
Clear Anodised	43	160	78	427-2985	22.90	21.09	19.49	17.68
Black	43	160	78	NEW 928-7957	27.03	24.89	23.00	20.87
Clear Anodised	31	120	103	427-2997	19.61	18.06	16.69	15.14
Black	31	120	103	NEW 928-7965	19.54	18.00	16.63	15.09
Clear Anodised	31	160	103	427-3000	22.12	20.37	18.83	17.08
Black	31	160	103	NEW 928-7973	21.48	19.78	18.28	16.58
Clear Anodised	31	220	103	427-3011	24.90	22.93	21.19	19.22
Black	31	220	103	NEW 928-7981	24.32	22.39	20.70	18.77
Clear Anodised	53	120	103	427-3023	23.99	22.10	20.42	18.53
Black	53	120	103	NEW 928-7990	27.73	25.54	23.61	21.41
Clear Anodised	53	160	103	427-3035	26.38	24.29	22.45	20.37
Black	53	160	103	NEW 928-8007	30.32	27.92	25.80	23.41
Clear Anodised	53	220	103	427-3047	29.99	27.62	25.53	23.16
Black	53	220	103	NEW 928-8015	34.12	31.42	29.04	26.34

Polystyrene Junction/Terminal Boxes
A-box Range IP65 Impact Level IK07 (2 Joules)



- Self sealing membrane in sizes 1 and 2 allow cables to be pulled into boxes whilst maintaining IP rating without cable glands
- Operational temperature range - 10°C to +80°C
- Standard finish light grey (RAL7035)
- Optional easy to fit terminal giving good access for cabling
- Available with external fixing lugs
- UL94V-2 halogen free material
- Sizes 3 and 4 have IP54 sealing glands supplied

231062

External Dimensions			No. of Knockouts	Mfrs. List No.	Order Code	Price Each			
H	W	D				1+	5+	10+	
Enclosures									
80	80	52	1	8	802-907	651-667	6.51	5.99	5.53
93	93	55	2	8	804-907	651-679	8.57	7.88	7.28
110	110	67	3	8	806-907	651-680	15.53	14.29	13.20
140	140	79	4	10	810-910	651-692	21.27	19.56	18.07
Enclosure with Lugs									
80	80	52	1	8	803-907	651-722	6.51	5.99	5.53
Terminal Blocks (5 Pole)									
					840-004	651-734	3.46	3.34	3.09
					840-006	651-746	7.66	7.04	6.50
					840-010	651-758	11.75	10.81	9.98

18

Enclosures, Boxes & Equipment Racking

Junction & Terminal

Thermoplastic Enclosures



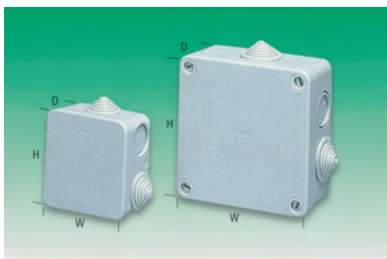
- IP44 protection for snap on lids
- IP55 protection with screw on lids
- -25 to 75°C operating temperature
- 6J shock resistance
- High resistance to chemical and atmospheric agents
- Colour RAL 7035



383585

Dimensions (WxHxD)		Mfrs. List No.	Order Code	Price Each		
W	H			1+	10+	25+
65	65	00 808	864-1650	2.88	2.64	2.41
80	80	00 810	864-1668	3.25	2.95	2.71
100	100	00 816	864-1676	6.09	5.56	5.06
105	70	00 820	864-1684	5.56	5.02	4.59
100	100	00 821	864-1692	6.16	5.59	5.09

Polystyrene Junction/Terminal Boxes
HP Range IP54 Impact Level IK07 (2 Joules)



- Non-flammable polystyrene UL94/V2 construction. Halogen free.
- Quick fixing snap-on covers, largest size has quick release screws
- Seven knockouts three fitted with universal entry seals (3.5 to 25.5mm Ø cable)
- Temperature resistant up to +100°C

230653

Dimensions		Order Code	Price Each			
H	W		1+	10+	50+	+
75	75	531-704	4.53	4.25	4.04	--
85	85	531-716	5.16	4.71	4.54	--
90	90	531-728	5.57	5.36	5.15	--
113	113	531-730	9.78	9.26	8.91	--

Junction/Terminal - 'DPN Range'
IP56, ABS



- Double insulated junction boxes, sealed to IP56
- Self-Extinguishing light grey ABS
- Base has slots for self tapping screws

203453

Dimensions			Order Code	Price Each			
H	W	D		1+	5+	10+	+
103	103	56	161-706	9.63	8.81	8.09	--
83	123	60	161-718	10.00	9.04	8.36	--
144	152	76	161-720	17.60	16.27	14.95	--
114	194	78	161-731	30.33	27.85	25.42	--
194	244	92	161-743	45.78	42.45	38.98	--
226	306	124	161-755	81.70	75.18	68.93	--
310	389	128	161-767	119.88	110.07	100.84	--

In stock and ready to despatch, 300,000 products in our Asia, US and Europe warehouses.

300,000 products at your fingertips

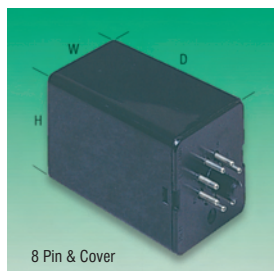
Compliant
Non-compliant
+ Limited stock - RoHS replacement available
RoHS



Power Supply & Plug Cases

8 and 11 Pin Standard

PERANCEA



- 8 pin and 11 pin plug-in module
- Optional polycarbonate cover available

Contact Rating 3A (mated)
 Operating Temperature 100°C
 Contact Resistance <3mΩ

External dimensions
 H=50
 W=50
 D=79/44

218859

Mfrs. List No.	Order Code	1+	25+	50+	+
8 Pin 01BBN08	301-760	3.17	2.58	2.34	--
11 Pin 01BBN11	301-772	3.72	3.48	3.38	--
76mm Cover 01CBP76	301-784	4.23	3.90	3.48	--
41mm Cover 01CBP41	444-6562	3.02	2.74	2.46	--

Order Code	W	D	H
866-210	74	97	135
146-126	105	111	170
866-222	135	112	170
146-127	220	113	168
866-234	340	138	270

1 module=18mm

218854

No of Modules	Order Code	1+	10+	50+
2/3	866-210	34.45	31.29	28.15
4	146-126	57.32	52.23	51.36
6	866-222	59.35	53.95	48.53
10	146-127	82.67	74.60	70.43
16	866-234	181.76	168.61	151.68
Module blanking plate	146-128	9.67	--	--

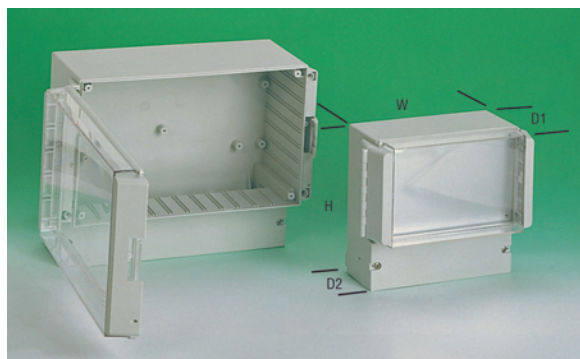
18

Enclosures, Boxes & Equipment Racking

Control Enclosures

IP66 ABS Wall Mounted Enclosures

Combicard II



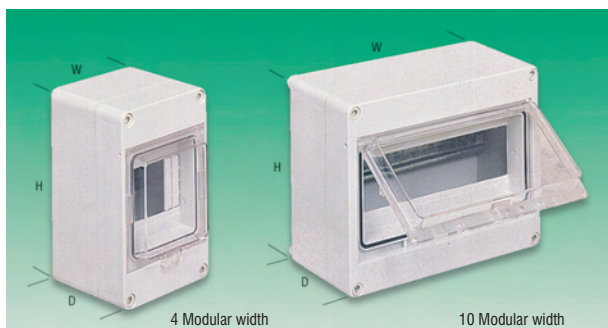
- Impact resistant, recyclable polystyrene moulding with polycarbonate lid
- Robust hinge allows left or right hand door opening. Snap fit catch.
- Bosses, removable support pins and PCB slots allow various mounting positions
- Environmentally friendly and recyclable
- Finished in light grey (RAL7035)
- Optional anodised front panel may be easily punched and imprinted

22441

H	W	D ₁	D ₂	Size	Mfrs. List No.	Order Code	1+	10+	25+
Enclosures									
290	295	132.5	70	4	RCP1300	117-7046	149.18	137.46	127.46
160	165	93	59	1	RCP1600	117-7061	80.37	76.30	70.59
160	165	121	59	2	RCP1700	117-7062	85.66	81.31	75.21
216	256	132.5	70	3	RCP2500	117-7063	126.32	117.95	107.37
Front Panels									
				1/2	27000300	616-746	10.37	10.25	--
				3	27000700	616-760	11.47	10.73	10.04
				4	27000900	616-771	17.94	16.67	15.44

Distribution

IP55 MCB/RCCB



- Moulded in light grey polystyrene with transparent hinge cover
- Supplied with symmetrical DIN rail
- Optional plastic blanking plate with four full and two semi-cut modules
- Order Code 866-210 accepts 2 modules as standard or 3 modules with sides removed

IP65 Distribution Boxes



NEW



- 3 to 28 way distribution boxes
- Grey in colour similar to RAL 7035
- Pre-assembled IP65 sealing membranes
- Flame resistant polystyrene, complying with DIN VDE 0471
- Individual transparent doors can be lead sealed, blanking off of individual rows
- With 150mm distance between rails, the distribution boards provide generous wiring space

Type	Knockouts	Terminals
AK03	Top End: 3 x M20 Bottom: 2 x M20/M25 Side walls (each): 2 x M20 Base, Floor: 1 x M20	2 x 4 Pole, 6/16mm ²
AK05	Top End: 4 x M20, 1 x M20/M25 Side walls (each): 2 x M20 Base, Floor: 1 x M20	2 x 5 Pole, 6/16mm ²
AK09	Top End: 8 x M20, 1 x M25/M32 Side walls (each): 2 x M20 Base, Floor: 2 x M20/M25	2 x 7 Pole, 6/16mm ²
AK12	Top End: 8 x M20, 2 x M20/M25, 1 x M32/M40 Side walls (each): 2 x M20 Base, Floor: 2 x M20/M25	2 x 12 Pole, 6/16mm ²
AK14	Top End: 17 x M20, 2 x M20/M25, 1 x M32/M40 Bottom: 15 x M20, 2 x M20/M25, 1 x M32/M40 Side walls (each): 8 x M20, 2 x M25/M32	3 x Screw clamping points, 2.5 to 16mm ² 14 Screwless clamping points, 1.5 to 4mm ²
AK28	Top End: 17 x M20, 2 x M20/M25, 1 x M32/M40 Bottom: 15 x M20, 2 x M20/M25, 1 x M32/M40 Side walls (each): 12 x M20, 3 x M25/M32	3 x Screw clamping points, 2.5 to 16mm ² 14 Screwless clamping points, 1.5 to 4mm ²

No. of Ways	Dimensions (mm)			Mfrs.	
	Length	Width	Depth	List No.	Order Code
3	150	100	96	735-403	776-7498
5	200	125	122	735-405	776-7501
9	200	200	122	735-409	776-7510
12	200	250	122	735-412	776-7528
14	300	300	142	735-414	776-7536
28	450	300	142	735-428	776-7544

347437

Type	Order Code	1+	5+	10+	+
AK03	776-7498	47.36	43.56	40.25	--
AK05	776-7501	59.29	54.55	50.40	--
AK09	776-7510	78.75	72.45	66.94	--
AK12	776-7528	100.65	92.60	85.55	--
AK14	776-7536	103.65	95.36	88.10	--
AK28	776-7544	197.85	182.02	168.17	--

Steel Enclosures



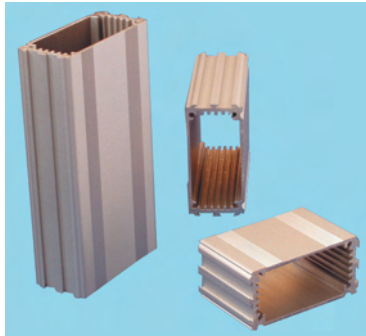
- Steel pushbutton enclosures, 1 to 3 gang. Suitable for 22.5 flush mounting devices
- 1 gang version available with yellow lid
- IP65 standard protection

210333

	Order Code	1+	5+	10+
One Gang Station	320-3219	47.33	43.38	40.03
Two Gang Station	320-3220	56.73	51.02	47.09
Three Gang Station	320-3232	64.70	59.31	54.74
One Gang Yellow Lid Station	320-3244	65.65	60.46	57.79

Heat Sink

Extruded Heat Sink Case



Silver anodised aluminium extruded box section which takes 55x40mm, 55x80mm or 55x120mm PCB's/ Ideal for small circuits, R.F. amplifiers etc. The maximum height of components on a board mounted in the bottom slot is 18/20mm depending on orientation. This box features dovetail slots down the side which accept a Linc-Lug mounting bracket to facilitate surface mounting. One side of the box features two sets of appearance enhancing grooves. Between the set of grooves is a shallow (0.5mm deep) recess which could be used for a label.

- Manufactured from aluminium 6063 T6 (HE9)
- Maximum Height of PCB components 18/20mm
- Finished with a silver anodised 5µm thickness, which can easily be painted
- Available in three different lengths
- Gasket available to seal to IP65

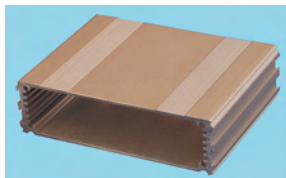
Length	Width	Depth	Order Code
120	63.5	30	114-8678
80	63.5	30	114-8681
40	63.5	30	114-8682

337269

Mfrs. List No.	Order Code	1+	10+	50+	+
REAS120	114-8678	18.25	16.77	15.33	--
REAS80	114-8681	15.17	13.93	12.76	--
REAS40	114-8682	11.75	10.78	9.91	--

Accessories:

	Order Code	13.39	12.32	11.28	--
End Plates	114-8691	13.39	12.32	11.28	--
80mm Linc Lug, 10PK	114-8689	22.33	20.52	18.78	--
40mm Linc Lug, 10PK	114-8690	18.25	16.77	15.33	--
IP65 Gasket, 10PK	114-8696	24.94	22.90	20.99	--



Silver anodized aluminium extruded box section to take 100x80mm, 100x160mm or 100x220mm circuit boards. Slim profile for space constrained applications. The boxes feature dovetail slots down the side which accept a Linc-Lug mounting bracket to facilitate surface mounting.

The maximum height of components on a board mounted in the bottom slot is 18/20mm depending on orientation. One side of the box features two sets of appearance enhancing grooves. Between the sets of grooves is a shallow (0.5mm deep) recess which could be used for a label.

- Manufactured from aluminium 6063 T6 (HE9)
- Maximum Height of PCB components 18/20mm
- Finished with a silver anodised 5µm thickness, which can easily be painted
- Available in three different lengths
- Gasket available to seal to IP65

Length	Width	Depth	Order Code
220	108.5	30	114-8683
160	108.5	30	114-8684
80	108.5	30	114-8685

337270

Mfrs. List No.	Order Code	1+	10+	50+	+
REBS220	114-8683	37.23	34.18	31.34	--
REBS160	114-8684	29.43	27.05	24.81	--
REBS80	114-8685	18.98	17.44	16.00	--

Accessories:

	Order Code	17.07	15.70	14.36	--
End Plates (Pk of 10 with Screws)	114-8693	17.07	15.70	14.36	--
80mm Linc Lug, 10PK	114-8689	22.33	20.52	18.78	--
40mm Linc Lug, 10PK	114-8690	18.25	16.77	15.33	--
IP65 Gasket, 10PK	114-8697	38.37	35.25	32.31	--



Silver anodised aluminium extruded box section which takes 100x80mm, 100x160mm or 100x220mm PCB's. This box features dovetail slots down the side which accept Linc-Lug mounting bracket to facilitate surface mounting. The maximum height of components on a board mounted in the bottom slot is 33mm. One side of the box features two sets of appearance enhancing grooves. Between the sets of grooves is a shallow (0.5mm deep) recess which could be used for a label.

- Manufactured from aluminium 6063 T6 (HE9)
- Maximum Height of PCB Components 33mm
- Finished with a silver anodised 5µm thickness, which can easily be painted
- Available in three different lengths
- Gasket available to seal to IP65

Length	Width	Depth	Order Code	Length	Width	Depth	Order Code
220	108.5	45	114-8686	80	108.5	45	114-8688
160	108.5	45	114-8687				

337271

Mfrs. List No.	Order Code	1+	10+	50+	+
RECS220	114-8686	43.02	39.51	36.23	--
RECS160	114-8687	33.81	31.04	28.46	--
RECS80	114-8688	21.73	19.99	18.28	--

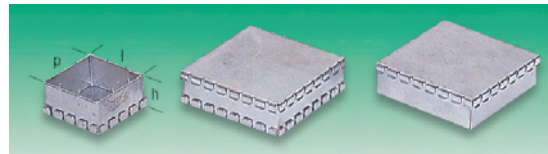
Accessories:

	Order Code	21.53	19.79	18.11	--
End Plates (Pk of 10 with Screws)	114-8694	21.53	19.79	18.11	--
80mm Linc Lug, 10PK	114-8689	22.33	20.52	18.78	--
40mm Linc Lug, 10PK	114-8690	18.25	16.77	15.33	--
IP65 Gasket, 10PK	114-8698	44.80	41.15	37.73	--

Screening Cans

RFI/EMI Screening

PERANCEA



PCB Mounting Open Frame Closed Frame

- Quick, efficient and cost effective specific board level screening
- PCB mounting, open frame, closed frame, screening strips and can types available
- Fingered lids provide easy access whilst maintaining good attenuation
- Bright steel construction to BS1449 Pt.1 CR4
- Divider strip available for PCB mounting types
- Rust resist, solderable coating (60:40 tin/lead) to BS219 grade K

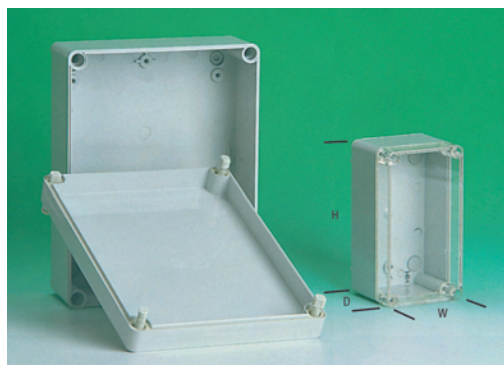
224446

H			Price Each		
PCB Mounting	Order Code	1+	10+	20+	
10 20	118-1371	13.26	11.92	11.01	
15 30	118-1372	17.68	15.90	14.66	
15 25	118-1374	17.28	15.53	14.33	
15 50	118-1375	19.35	17.41	16.07	
25 50	118-1376	21.23	19.12	17.61	
25 75	118-1377	23.37	21.03	19.38	
25 50	118-1378	26.25	23.64	21.80	
25 75	118-1379	32.27	29.06	26.78	
15 75	118-1395	20.86	19.06	17.67	
10 25	118-1396	15.48	13.87	13.21	
15 40	118-1398	19.21	16.64	15.11	
Open Frame					
15 50	118-1380	24.83	23.59	21.96	
15 50	118-1381	25.88	24.58	22.83	
25 50	118-1382	26.53	25.24	23.49	
35 100	118-1383	38.60	36.70	34.12	
50 100	118-1384	43.76	41.60	38.71	
Closed Frame					
15 50	118-1386	18.44	17.50	16.34	
25 50	118-1387	21.07	20.07	18.66	
35 50	118-1388	21.37	20.31	18.88	
50 100	118-1389	28.46	27.03	25.16	
10 20	118-1391	13.06	11.59	10.70	
15 30	118-1392	16.84	15.88	14.86	
15 50	118-1393	17.61	15.66	14.46	
25 75	118-1394	19.79	17.59	16.23	
PCB Can					
15 20	444-6641	5.58	4.95	4.56	
15 25	444-6653	6.17	5.48	5.07	
20 30	444-6665	7.02	6.24	5.77	
15 30	444-6677	7.02	6.24	5.77	
15 40	444-6689	7.09	6.30	5.81	
20 40	444-6690	7.09	6.30	5.81	
15 40	444-6707	7.09	6.30	5.81	

H		Order Code		Price Each		
PCB Mounting				1+	10+	20+
PCB Can						
15	50	50	444-6719	8.85	7.84	7.25
20	60	40	444-6720	8.85	7.84	7.25
25	70	50	444-6732	11.59	10.30	9.49
25	75	75	444-6744	13.58	12.06	11.11
25	100	50	444-6756	14.33	12.73	11.76
Screening Strips x 5						
232	10	0.54	444-6768	13.39	11.81	10.93
232	15	0.54	444-6770	15.28	13.55	12.56
232	20	0.54	444-6781	16.38	14.49	13.49
232	25	0.54	444-6793	17.17	15.28	13.95
232	35	0.54	444-6800	18.27	16.22	15.11
232	50	0.54	444-6811	20.95	18.59	17.21
Divider Strip for PCB Mounting						
118-1390				3.90	3.75	3.46

Wall Mount

Multipurpose - 'Pilot'
IP55, ABS



- Durable PVC construction
- Available with grey lid or transparent polycarbonate lid
- Smooth finish, grey (RAL7035)

224447

Internal Dimensions			Order Code		Price Each			
H	W	D		1+	10+	25+	+	
Grey Lidded								
100	100	55	650-857	13.16	12.59	11.84	--	
100	100	130	650-870	23.77	22.76	21.43	--	
164	99	67	650-912	25.72	24.57	23.17	--	
164	99	97	650-936	29.24	27.98	26.38	--	
164	129	70	650-948	27.15	26.01	24.47	--	
164	129	91	650-961	32.78	31.43	29.59	--	
214	162	71	650-985	39.54	37.88	35.63	--	
214	162	129	651-000	48.97	46.89	44.16	--	
Transparent Lidded								
130	69	57	650-882	17.37	16.79	15.83	--	
214	162	129	651-011	75.63	73.12	71.61	--	

Hinged Lid - 'Pilot'
IP54, ABS



- Used where frequent access is required
- Fitted with quick release plastic screws and plastic hinges
- PVC construction
- Smooth finish, grey (RAL7035)

224448

Internal Dimensions			Order Code		Price Each			
H	W	D		1+	10+	25+	+	
214	162	92	651-060	44.52	42.59	40.10	--	
264	214	91	651-084	78.83	75.45	71.09	--	
300	240	100	651-096	98.22	94.05	88.56	--	
328	255	92	651-114	122.77	117.53	110.67	--	

IP65, ABS and PC - 'CAB'

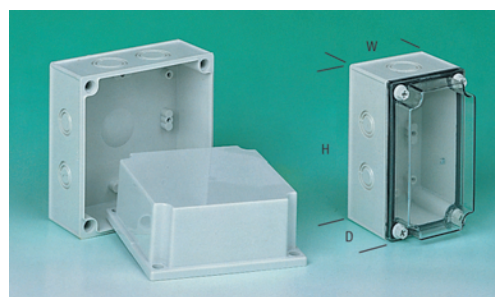


- Impact resistant enclosures moulded in halogen free ABS and polycarbonate
 - Finished in grey (RAL7035). Transparent or grey lidded versions
 - Flammability rating to **UL94-HB** for ABS and **UL94-V2** for polycarbonate
 - Latched door which can be secured by a padlock
 - Accessories include: swingdoor/front plate, mounting plate and wall mounting lugs
- Temperature range: ABS -40°C to +80°C Polycarbonate -40°C to +120°C

224449

External Dimensions				Order Code		Price Each			
H	W	D	Type		1+	10+	25+	+	
ABS Grey Lidded Versions									
300	200	180	1	112-3643	145.92	128.82	115.92	--	
300	300	180	2	112-3644	156.32	140.72	126.62	--	
400	300	180	3	112-3645	218.91	193.22	173.87	--	
500	400	200	4	112-3647	325.90	287.61	258.88	--	
ABS Transparent Lidded									
300	200	180	1	112-3648	149.16	131.62	118.45	--	
300	300	180	2	112-3649	159.70	143.83	129.33	--	
400	300	180	3	112-3650	223.76	197.45	177.72	--	
500	400	200	4	112-3651	332.45	293.41	263.99	--	
600	400	200	5	112-3652	478.33	422.16	379.91	--	
Polycarbonate Grey Lidded Versions									
300	200	180	1	112-3632	111.48	98.37	88.55	--	
300	300	180	2	112-3633	137.83	121.59	109.44	--	
400	300	180	3	112-3635	158.45	139.80	130.25	--	
500	400	200	4	112-3636	236.25	208.53	193.91	--	
600	400	180	5	112-3637	340.42	300.45	279.88	--	
Polycarbonate Transparent Lidded									
300	200	180	1	112-3638	120.30	106.19	95.54	--	
300	300	180	2	112-3639	142.35	125.59	113.02	--	
400	300	180	3	112-3640	197.82	174.58	157.08	--	
500	400	200	4	112-3641	293.48	259.01	233.08	--	
600	400	180	4	112-3642	455.67	402.20	361.89	--	
Swing Door/Front Plate (Aluminium)									
				1	112-3663	14.50	13.18	11.84	--
				2	112-3664	24.87	22.63	20.34	--
				3	112-3665	31.67	28.77	25.90	--
				4	112-3666	55.14	47.30	42.56	--
				5	112-3667	68.23	58.62	52.73	--
Swing Door/Front Plate Kit									
					112-3662	22.39	19.90	18.26	--
Mounting Plate (Steel)									
				1	112-3668	12.53	10.76	9.69	--
				2	112-3669	15.37	13.20	11.86	--
				3	112-3670	20.64	17.68	15.89	--
				4	112-3672	31.00	29.19	26.26	--
				5	112-3673	38.69	33.18	29.87	--
					1+				
Wall Mounting Brackets (set of 4)					969-424	14.13			
Wall Mounting Brackets (set of 4)					100-4150	14.13			

IP67, PC - 'Mini PG'



- Moulded in light grey impact resistant polycarbonate
- Flammability tested to **UL94V-1/2**
- Halogen free material with quick release plastic screws
- Prepressed PG knock outs of different sizes on enclosure sides
- PCB mounting bosses moulded in base
- Optional chassis plates available

224450

External Dimensions			Order Code	Price Each		
H	W	D inc.lid		1+	10+	25+
Grey Lidded						
125	75	100	1 736-752▲	24.71	23.97	22.73
125	125	75	2 736-776▲	31.61	30.10	28.50
175	125	125	3 736-820▲	38.88	36.96	35.02
175	125	150	3 736-831▲	43.89	41.77	39.59
175	175	75	4 736-843▲	43.86	42.59	40.34
250	175	75	5 736-880▲	86.18	82.00	77.70
250	175	100	5 736-892▲	91.58	87.02	82.45
250	175	150	5 736-909▲	95.96	91.21	85.11
Mounting Plates						
98	98	1.5	2 736-922▲	3.98	3.67	3.41
148	98	1.5	3 736-934▲	4.74	4.39	4.00
148	148	1.5	4 736-946▲	5.94	5.40	5.14
223	148	1.5	5 736-958▲	10.08	9.17	8.39

Polystyrene and Polycarbonate Enclosures

TK Range IP67



- PS Impact IK07 (2 Joules) PC IK08 (5 Joules)
- Smooth walled enclosures moulded in halogen free high impact flame resistant polystyrene or polycarbonate
- Colour light grey RAL7035 with grey or smoked polycarbonate lids
- Lids fitted with quick release polyamide screws
- Groove and lip seals with seamless polyurethane gasket
- Corrosion free, resistant to acids and alkalis
- Mounting holes are outside seals
- Plastic mounting plate available below

Polystyrene	Polycarbonate
UL94V-2 rated	UL94V-2 rated
High impact level 2 Joules	UV resistant
Temperature range -40°C to +70°C	Temperature range -35°C to +125°C
Halogen Free	Halogen free

224451

External Dimensions			Order Code	Price Each				
W	D	H		1+	5+	10+	+	+
Polystyrene with Grey Lid								
94	57	65	531-212●	10.58	9.73	8.99	--	--
94	57	94	531-224●	12.12	11.15	10.30	--	--
110	66	110	531-248●	16.60	15.27	14.11	--	--
110	90	110	531-250●	19.69	18.10	16.73	--	--
130	57	94	531-261●	15.93	14.66	13.55	--	--
130	75	130	531-273●	19.60	18.04	16.67	--	--
130	99	130	531-285●	22.84	21.01	19.41	--	--
180	90	110	531-297●	25.78	23.72	21.91	--	--
180	111	110	531-303●	28.71	26.42	24.41	--	--
182	90	180	531-315●	31.65	29.25	27.03	--	--
182	111	180	531-327●	34.45	31.69	29.27	--	--
254	90	180	531-340●	41.66	39.80	36.77	--	--
254	111	180	531-352●	46.56	42.84	39.58	--	--
254	165	180	531-364●	74.32	68.37	63.17	--	--
360	111	254	531-376●	94.74	87.16	80.53	--	--
Polystyrene with Transparent Lid								
130	75	130	531-406●	22.70	20.88	19.29	--	--
180	90	110	531-418●	29.08	26.75	24.72	--	--
182	90	180	531-431●	36.94	33.99	31.40	--	--
182	111	180	531-443●	45.09	41.48	38.33	--	--
254	90	180	531-455●	52.89	49.18	45.44	--	--
254	111	180	531-467●	60.00	55.20	51.00	--	--
Polycarbonate with Grey Lid								
110	66	110	531-480●	25.11	23.10	21.35	--	--
130	75	130	531-492●	30.70	28.24	26.09	--	--
180	90	110	531-509●	42.45	39.06	36.08	--	--
182	90	180	531-510●	53.47	49.18	45.44	--	--
254	90	180	531-522●	71.60	65.87	60.86	--	--
254	111	180	531-534●	77.04	70.88	65.48	--	--
Polycarbonate with Transparent Lid								
254	90	180	531-560●	46.73	--	--	--	--
254	111	180	531-571●	77.04	70.88	65.48	--	--

Modular - 'EK Range'
IP67, PC



- High impact grey (RAL7032)
- Same size knockout enclosures can be joined with optional connection kit and keep IP67 seal
- Flammability tested to UL94V-2
- Chassis and gland plates available
- Operating temperature -50°C to 130°C

Enclosure Size	External Dimensions				Gland Plates and Size	Enclosure Fixing Centres	Grey Lidded	Lidded
	H	W	D ₁	D ₂				
1	190	190	130	30	4 x a	165x165	208-504	208-553
2	280	190	130	30	2 x a and 2 x b	255x165	208-516	208-565
3	280	280	130	30	4 x b	255x255	208-528	208-577
4	380	280	130	30	4 x b	355x255	208-530	208-589
5	560	380	180	30	6 x b	535x355	208-541	--

Size	Order Code	Price Each			
		1+	5+	10+	25+
Grey Lidded					
1	208-504▲†	71.49	64.46	59.65	--
2	208-516▲†	90.70	81.87	75.93	--
3	208-528▲†	120.71	108.73	100.81	--
4	208-530▲†	153.15	137.94	127.76	--
5	208-541▲†	329.48	296.82	274.88	--
Transparent Lidded					
1	208-553▲†	72.92	65.75	60.84	--
2	208-565▲†	90.70	81.87	75.93	--
3	208-577▲†	120.71	108.41	100.81	--
4	208-589▲†	153.15	137.94	127.76	--
Chassis Plate					
1	208-607▲†	6.69	5.95	5.40	5.23
2	208-619▲†	6.66	5.88	5.20	4.68
3	208-620▲†	10.87	9.65	8.58	7.74
4	208-632▲†	12.43	11.02	9.78	8.81
5	208-644▲†	38.03	33.61	29.93	27.34
Connection Kit					
a	208-670†	11.36	10.00	8.95	--

Enclosure Size	External Dimensions				Gland Plates and Size	Enclosure Fixing Centres	Grey Lidded	Lidded
	H	W	D ₁	D ₂				
1	190	190	130	30	4 x a	165x165	100-4099	100-4105
2	280	190	130	30	2 x a and 2 x b	255x165	100-4100	100-4106
3	280	280	130	30	4 x b	255x255	100-4101	100-4107
4	380	280	130	30	4 x b	355x255	100-4102	100-4108
5	560	380	180	30	6 x b	535x355	100-4103	--

218874

Size	Order Code	Price Each			
		1+	5+	10+	25+
Grey Lidded					
1	100-4099●	71.49	64.46	59.65	--
2	100-4100●	90.70	81.87	75.93	--
3	100-4101●	120.71	108.73	100.81	--
4	100-4102●	153.15	137.94	127.76	--
5	100-4103●	329.48	296.82	274.88	--
Transparent Lidded					
1	100-4105●	72.92	65.75	60.84	--
2	100-4106●	90.70	81.87	75.93	--
3	100-4107●	120.71	108.41	100.81	--
4	100-4108●	153.15	137.94	127.76	--
Chassis Plate					
1	100-4109●	6.69	5.95	5.40	5.23
2	100-4110●	6.66	5.88	5.20	4.68
3	100-4111●	10.87	9.65	8.58	7.74
4	100-4112●	12.43	11.02	9.78	8.81
5	100-4113●	38.03	33.61	29.93	27.34
Gland Plate Kit					
a	112-3653●	15.37	13.89	12.85	--
b	112-3654●	19.62	17.83	16.44	--

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Enclosures, Boxes & Equipment Racking

Compliant
Non-compliant
+ Limited stock - RoHS replacement available

RoHS



EEX'e' Multipurpose - 'FEX' Range
IP65, PC



- Light weight, manufactured from impact resistant polycarbonate
- Suitable for indoor and outdoor use
- Can be used in zone 1 or zone 2 hazardous areas
- Wall mounting provisions are under screw cavities, which are outside sealed area
- PCB mounting bosses moulded in base
- Optional galvanised sheet steel mounting plates available



224453

External Dimensions			Mfrs. List No.	Order Code
Width	Depth	Length		
180	125	180	PCM 175/125 G	927-2348
180	150	180	PCM 175/150 G	927-2356
180	75	255	PCM 200/75 G	927-2364
180	100	255	PCM 200/100 G	927-2372
180	150	255	PCM 200/150 G	927-2380

413740

Mfrs. List No.	Order Code	1+	10+	25+
PCM 100/75 G	927-2224	32.27	25.98	21.96
PCM 100/100 G	927-2232	33.51	26.62	22.57
PCM 100/125 G	927-2240	34.92	26.98	22.87
PCM 125/75 G	927-2259	40.34	31.44	26.62
PCM 125/100 G	927-2267	40.85	32.01	27.09
PCM 125/125 G	927-2275	41.92	33.11	27.99
PCM 150/75 G	927-2283	47.31	37.03	31.34
PCM 150/100 G	927-2291	48.41	37.80	31.97
PCM 150/125 G	927-2305	49.89	38.47	32.54
PCM 150/150 G	927-2313	62.07	43.52	36.83
PCM 175/75 G	927-2321	60.20	47.44	40.18
PCM 175/100 G	927-2330	61.47	49.08	41.55
PCM 175/125 G	927-2348	77.31	50.86	43.02
PCM 175/150 G	927-2356	81.59	69.34	58.69
PCM 200/75 G	927-2364	104.52	85.47	72.35
PCM 200/100 G	927-2372	104.93	90.83	76.87
PCM 200/150 G	927-2380	109.11	95.08	80.45

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Enclosures, Boxes & Equipment Racking

External Dimensions			Type	Order Code	1+	10+	25+
H	W	D					
Transparent Lidded							
190	190	130	1	100-4127	88.55	81.93	78.18
190	190	180	1	100-4129	106.51	98.52	93.94
280	190	130	2	100-4131	114.83	106.20	101.39
380	190	130	3	100-4132	131.05	123.33	116.51
380	190	180	3	100-4133	123.71	121.16	114.67
280	280	130	4	100-4134	132.05	124.61	118.89
380	280	130	5	100-4135	176.10	162.92	155.44
380	280	180	5	100-4136	203.06	187.82	179.19
560	280	130	6	100-4137	281.03	255.50	234.20
Grey Lidded							
190	190	130	1	100-4138	88.55	81.93	78.18
190	190	180	1	100-4139	106.51	98.52	93.94
280	190	130	2	100-4140	114.83	106.20	101.39
280	190	180	2	100-4142	127.92	118.35	112.89
380	190	130	3	100-4143	131.05	123.33	116.51
280	280	130	4	100-4144	144.76	133.94	127.76
280	380	130	5	100-4145	176.10	162.92	155.44
380	280	180	5	100-4146	203.06	187.82	179.19
560	280	130	6	100-4147	281.03	255.50	234.20
560	380	180	7	100-4148	390.96	355.41	325.79
Mounting Plates							
148	148	1.5	1	100-4109	6.69	5.95	5.40
238	148	1.5	2	100-4110	6.66	5.88	5.20
338	148	1.5	3	100-4149	10.93	9.88	9.10
238	238	1.5	4	100-4111	10.87	9.65	8.58
328	238	1.5	5	100-4112	12.43	11.02	9.78
518	238	1.5	6	737-215	39.71	36.17	33.09
518	338	1.5	7	100-4113	38.03	33.61	29.93

Push Button Enclosure
PCM



A range of polycarbonate push button enclosures. The base is complete with metric knoc-outs and TPE gasket and screws for mounting plate/DIN-rail.



External Dimensions			Mfrs. List No.	Order Code
Width	Depth	Length		
80	75	130	PCM 100/75 G	927-2224
80	100	130	PCM 100/100 G	927-2232
80	125	130	PCM 100/125 G	927-2240
130	75	130	PCM 125/75 G	927-2259
130	100	130	PCM 125/100 G	927-2267
130	125	130	PCM 125/125 G	927-2275
130	75	180	PCM 150/75 G	927-2283
130	100	180	PCM 150/100 G	927-2291
130	125	180	PCM 150/125 G	927-2305
130	150	180	PCM 150/150 G	927-2313
180	75	180	PCM 175/75 G	927-2321
180	100	180	PCM 175/100 G	927-2330

'Polymel'

IP65 PC and GRP



- Easy to cut or drill, double insulated self extinguishing material.
- Built-in canopy which protects the door and gasket
- Boxes may be inverted for left or right handed opening
- Internal stainless steel hinges.
- Double chrome-zinc coated steel mounting plates
- Optional door lock for added security
- Approvals: Germanischer Lloyd, Bureau Veritas, CSA, Lloyds Register of shipping, UL listed

Enclosures Material	External Dimensions			No of Locks	Weight (kg)	Order Code
	H	W	D			
Polycarbonate	310	215	160	1	1.3	528-675
Polyester (GRP)	430	330	200	2	4.3	528-687
Polyester (GRP)	530	430	200	2	6.3	528-699
Polyester (GRP)	647	436	250	2	8.4	528-705
Polyester (GRP)	747	536	300	2	12.1	616-357

224455

H	W	D	Order Code	1+	10+	50+
310	215	160	528-675	162.33	147.59	139.58
430	330	200	528-687	239.80	231.85	217.58
530	430	200	528-699	309.30	297.67	283.27
647	436	250	528-705	359.79	346.78	323.95
747	536	300	616-357	534.90	525.77	500.79
Mounting Plates For:-						
528-675 (265 150)	528-730	10.24	9.75	9.30		
528-687 (365 250)	528-754	15.79	15.37	14.69		
528-699 (465 350)	528-766	30.01	28.44	27.66		
528-705 (565 350)	528-778	32.51	30.84	28.31		
616-357 (665 450)	616-382	56.24	53.63	52.10		
Price Per Set						
Mounting Brackets (set of 4) for:-				1+	10+	50+
528-675	588-118	32.01	30.65	32.01		
All other enclosures	588-120	45.40	43.55	38.90		
Cylinder Lock with 2 Keys	616-825	30.42	29.22	27.63		

Glass Re-inforced Polyester IP66



- Hot press moulded
- Double insulated and self-extinguishing
- Canopies top and bottom to allow door opening to be reversed by inverting the enclosure
- Glazed door versions fitted with bonded toughened glass retaining IP66
- Closure devices outside sealed area ensuring IP integrity is maintained
- 3 point and key locking for increased security
- Protected top IP66 EN60529, complies with NEMA 4x





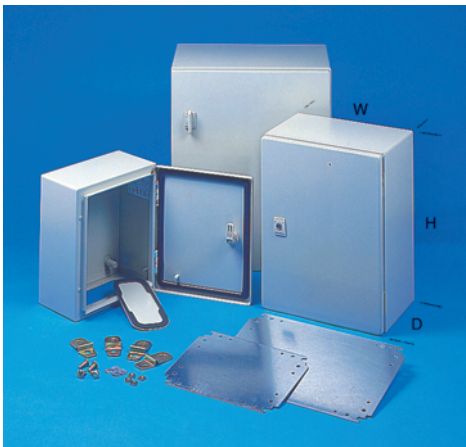
- Approvals from cUL, CSA, Germanischer Lloyd, LCIE, Bureau Veritas and IMQ, UL listed

Height	Dimensions		Depth	Mftrs. List No.	Order Code
	Width	Depth			
Plain Doors					
430	330	200	59718	871-4479	
530	430	200	59723	871-4487	
647	436	250	59727	871-4495	
747	536	300	59736	871-4509	
Glass Door					
430	330	200	59818	871-4517	
530	430	200	59823	871-4525	
647	436	250	59827	871-4533	
747	536	300	59836	871-4541	

383303

Mftrs. List No.	Order Code	Price Each			
		1+	5+	10+	25+
Plain Doors					
59718	871-4479	342.50	302.26	282.81	--
59723	871-4487	402.93	358.34	331.55	--
59727	871-4495	468.42	388.90	355.52	--
59736	871-4509	447.33	397.27	366.04	--
Glass Door					
59818	871-4517	481.34	422.15	394.73	--
59823	871-4525	513.55	460.68	419.04	--
59827	871-4533	543.61	484.79	443.48	--
59836	871-4541	662.97	583.82	543.01	--

IP55 CRN Range



- Attractively styled steel enclosure. Epoxy powder hammer finish grey (RAL7032)
- Door opens 120° within width of cabinet
- IP54 versions have two gland entries
- Fitted with hand operated lock(s). Key operated cylinder locks available
- Earth points available on case, door and mounting plate
- Chassis plate and mounting brackets available
- Approvals: Bureau Veritas, Lloyds Register of Shipping, UL listed

218900

Ext. Dimensions	No. of Locks	Order Code	Price Each			
			1+	5+	10+	25+
Enclosures - IP55						
200 200 150	1	930-726	114.94	105.25	101.11	--
300 200 150	1	930-738	141.97	130.11	118.80	--
200 250 150	1	645-874	111.30	104.42	101.93	--
250 300 150	1	587-977	121.44	118.38	114.15	--
250 300 200	1	587-989	130.78	125.44	119.85	--
300 300 150	1	587-990	139.84	134.32	127.99	--
300 300 200	1	588-003	142.84	138.24	130.94	--
300 400 150	1	588-015	146.71	141.41	134.45	--
400 300 200	1	588-027	154.83	147.86	141.98	--
400 400 200	1	616-333	178.74	174.03	169.17	--
400 500 150	2	588-039	174.57	167.24	159.95	--
400 500 200	2	588-040	190.26	184.00	174.45	--
400 500 250	2	588-052	203.54	198.64	186.56	--
500 500 250	2	768-212	264.04	255.50	237.04	--
400 600 150	2	588-064	195.66	193.83	179.30	--
400 600 200	2	588-076	213.82	203.96	195.57	--
400 600 250	2	768-224	226.85	218.67	207.86	--
500 600 200	2	768-236	243.84	238.54	223.26	--
600 600 250	2	768-248	305.47	297.40	275.29	--
500 700 200	2	768-250	246.74	237.53	226.18	--
500 700 250	2	768-261	260.39	251.73	238.64	--
Mounting Plates for:-						
930-726, 465-070		588-088	10.08	9.91	9.65	9.63
930-738, 465-082		588-090	12.41	12.25	11.60	10.86
645-874		528-717	10.31	9.88	9.49	8.94
587-977, 587-989		528-729	10.51	10.40	10.17	9.56
587-990, 588-003		528-742	10.99	10.63	10.40	9.78
616-333		616-370	25.29	23.86	22.56	20.67
588-015, 588-027		528-754	15.79	15.37	14.69	13.85
768-212		768-285	42.48	40.98	38.71	33.41
588-039, 588-040, 588-052		528-766	30.01	28.44	27.66	25.87
588-064, 588-076, 768-224		528-778	32.51	30.84	28.31	26.55
768-236		723-060	54.52	52.26	49.66	42.90

Ext. Dimensions	No. of Locks	Order Code	Price Each			
			1+	5+	10+	25+
Mounting Plates for:-						
768-248		768-297	61.44	58.57	55.87	48.30
768-250, 768-261		616-382	56.24	53.63	52.10	48.17
Cylinder Lock with 2 Keys			588-131	14.73	13.71	12.96
						12.45
Mounting Brackets						
(Set of 4)			588-106	15.50	14.82	14.17
						13.39

Spacial 3D IP66 Steel



- Steel enclosures with polyurethane door seal
- One piece folded and welded body, double plate thickness gutter shaped front profile and flat rear panel
- Supplied complete with steel door and chassis plate
- Finished in grey polyester paint RAL7032
- IP66 rated
- IK 10 impact protection
- Reversible doors
- Supplied complete with 3mm double bar lock

335002/335209

Ext. Dimensions	Weight	Order Code	Price Each			
			1+	5+	10+	25+
300 200 150	3.5	470-4230	115.97	111.49	110.38	--
300 300 150	4.5	470-4241	123.74	118.99	117.78	--
300 300 200	5	470-4253	130.14	125.15	123.91	--
400 300 150	6	470-4265	136.67	131.41	130.10	--
500 300 200	9	470-4277	190.80	183.47	181.63	--
300 400 150	6	470-4289	136.67	131.41	130.10	--
400 400 200	8	470-4290	167.27	160.84	159.23	--
500 400 200	11.5	470-4307	205.87	197.97	195.99	--
500 400 250	12	NEW 871-4398	203.22	195.76	193.82	--
600 400 200	13.1	NEW 871-4401	190.27	187.35	185.38	--
600 400 250	14	470-4319	229.30	220.47	218.26	--
500 500 250	14.5	470-4320	276.34	265.73	263.09	--
400 600 250	13.5	470-4332	231.95	223.04	220.80	--
600 600 250	19.5	470-4344	307.31	295.49	292.55	--
600 800 300	30.5	NEW 871-4410	345.51	326.76	310.43	--
800 600 300	33.25	NEW 871-4428	345.51	326.76	310.43	--
Locking Handle			871-4436	8.17	7.68	7.19
Wall fixing lugs x4			470-4356	15.07	13.93	13.79

AE Compact Enclosure IP69K - Washdown Enclosure



- Enclosure of all-round solid construction with single door
- 1 gland plate in the enclosure base
- Right hand door hinge, which can be swapped to left hand side
- 2 cam locks on door
- Foamed-in door seal
- Zinc plated mounting plate
- IP69K Rated
- Inner door kits available



Dimensions (mm)	Length	Depth	Mftrs. List No.	Order Code
Enclosures				
230	330	155	1101010	102-1629
400	400	250	1101020	102-1630
400	650	250	1101030	102-1632
650	650	250	1101040	102-1633
Inner Door Kits				
160	260	1.5	1101910	102-1634
330	330	1.5	1101920	102-1635
330	580	1.5	1101930	102-1636
580	580	1.5	1101940	102-1637

416956

Mftrs. List No.	Order Code	Price Each		
		1+	5+	10+
Enclosures				
1101010	102-1629	251.10	238.98	228.70
1101020	102-1630	411.17	400.29	385.76
1101030	102-1632	444.55	426.57	416.93
1101040	102-1633	552.86	525.03	497.78
Inner Door Kits				
1101910	102-1634	89.46	80.49	73.94
1101920	102-1635	113.97	103.65	95.19
1101930	102-1636	132.92	119.62	109.88
1101940	102-1637	150.59	135.53	124.48

Terminal Boxes - 'EB'

IP66, Steel



- Compact enclosures with hinged door/lid. Finished in Grey RAL7035
- Supplied with quick fit steel mounting plate
- Integral cam lock provides protection in accordance with **VDE 0660 Pt 500**
- Protected to **IP66 EN60529/10.91**
- **CSA, TUV, Germanischer Lloyd, Lloyds Register of Shipping approved, UL listed**

203410

H	W	D	Mftrs. List No.	Order Code	1+	10+	50+
150	150	80	EB1551	119-8759	72.12	68.73	64.48
300	150	80	EB1545	119-8753	75.66	72.08	67.63
200	200	80	EB1546	119-8754	74.33	70.84	66.46
300	200	80	EB1552	119-8760	85.47	81.46	76.43
400	200	80	EB1547	119-8755	92.07	87.72	82.29
150	150	120	EB1553	119-8761	77.34	73.59	69.07
300	150	120	EB1548	119-8756	77.57	73.92	69.37
200	200	120	EB1549	119-8757	76.80	73.15	68.63
300	200	120	EB1554	119-8763	89.06	84.87	79.65
400	200	120	EB1550	119-8758	94.48	90.03	84.47
300	300	120	EB1555	119-8764	99.44	94.71	88.86
400	300	120	EB1556	119-8765	110.82	105.50	98.97

19" Rack & Eurocard Frames

Ratiopac PRO, Unshielded

3U Table Top and 19" Case



- Cases supplied partially assembled
- Unit is suitable as a table top or for the assembly into a 19" cabinet
- Dependant on the application the front trims can be exchanged for handles or 19" mounting brackets
- Corresponds to the latest standards of **IEC 60297-3** and **IEEE 1101.10/11**

- Compact PCI and VME64x systems can be assembled with the case
- Trim can be removed easily for maintenance and testing purposes without special tools
- The chromated surfaces and a special press-on technique offer a high shielding (of >25dB for 1 GHz)
- The front panel is optimally adjusted to the width of the case. It is assembled without screws
- Air filter assembly available separately

Material/Colour/Finish

- Horizontal rails - aluminium extrusions, visible surfaces powder coated RAL 7016 (anthracite).
- Side panels - aluminium, clear
- Trim - aluminium, visible surfaces powder coated RAL 9006 (white aluminium)
- Trim, Zn die-cast, RAL 7016 (anthracite)
- Front handle and 19" mounting brackets, aluminium die-cast, powder coated RAL 7016 (anthracite)

Standards

- Protection **IP20** to **IEC/EN 60529**
- Inner and outer dimensions to **IEC 60297-3**
- Protection of earthing connections to, **DIN EN 50178/ VDE 0160, DIN EN 60950 / VDE 0805, DIN EN 61010 Teil 1 / VDE 0411 Part 1**

Item Description	Qty.	Item Description	Qty.
Horizontal Rail	6	Trim/ Corner Piece	4
Side Panel	2	Cover /Base Plate	2
		Rear Panel	1

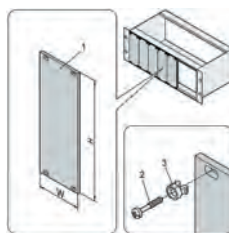
Front Panel		Price Each	
Height	Width	1+	5+
U	HP	Mftrs. List No.	Order Code
3	42	34571-606	421-0104
3	84	34571-608	421-0116

Air Filter + Holder and Assembly Material		Price Each	
Case Width	HP	1+	5+
	Mftrs. List No.	Order Code	10+
42	24571-326	421-0128	35.19
84	24571-328	421-0130	40.93

243378

3U Case		Price Each	
Width	Depth	1+	5+
HP	mm	Mftrs. List No.	Order Code
42	255	24572-002	421-0062
42	315	24572-003	421-0074
84	315	24572-005	421-0086
84	375	24572-006	421-0098

Front Panels, Unshielded



Note:
For mounting onto the subrack sleeves, Item 3, Order Code 418-2303 and collar screws, Item 2, Order Code 418-2315 are required. **Please order separately.**

- 2.5mm front anodised aluminium

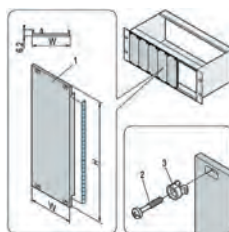
243032

H	W	U	HP	Pack Qty	Mftrs. List No.	Order Code	1+	5+	10+
3	3	5			20838-107	418-2182	29.97	--	--
3	4	5			20838-108	418-2194	34.95	--	--
3	5	5			20838-109	418-2200	33.73	30.87	28.23
3	6	5			20838-110	418-2212	34.91	32.18	32.15
3	7	5			20838-111	418-2224	36.99	33.93	30.89
3	8	5			20838-112	418-2236	44.94	--	--
3	10	5			20838-114	418-2248	48.60	44.39	40.48
3	12	5			20838-116	418-2250	50.52	--	--
3	14	5			20838-118	418-2261	57.21	--	--
3	21	5			20838-125	418-2273	73.04	66.15	60.83
3	42	1			20838-146	418-2285	20.55	19.75	--
3	84	1			20838-188	418-2297	31.68	29.07	26.38

Mounting Accessories

Sleeves x 100	21100-464	418-2303	17.09	--	--
Collar Screw x 100	21101-101	418-2315	29.11	26.96	--

Front Panels, Shielded



- Includes:**
- 1 x Front panel shielded
 - 1 x EMC gasketing
 - 2 x Location dowel (press-in)
 - 2.5mm front anodised aluminium

Note:
For mounting onto the subrack sleeves, Item 3, Order Code 418-2303 and collar screws, Item 2, Order Code 418-2315 are required. **Please order separately.**

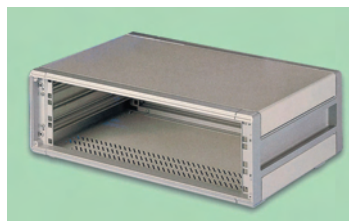
243057

H	W	U	HP	Pack Qty	Order-No.	Order Code	1+	5+	10+
3	3	5			20848-403	418-2637	72.79	66.61	60.64
3	4	5			20848-404	418-2649	75.34	68.94	64.36
3	5	5			20848-405	418-2650	80.04	73.36	66.65
3	6	5			20848-406	418-2662	84.59	76.86	70.49
3	7	5			20848-407	418-2674	87.02	79.96	72.51
3	8	5			20848-408	418-2686	81.46	74.36	69.57
3	10	5			20848-410	418-2698	93.55	85.55	78.27
3	12	5			20848-412	418-2704	98.31	90.12	82.08
3	14	5			20848-414	418-2716	133.79	120.44	111.47
3	21	5			20848-421	418-2728	147.78	134.89	123.05
3	42	1			20848-442	418-2730	36.59	33.23	30.62
3	84	1			20848-484	418-2741	53.75	--	--

Mounting Accessories

Sleeves x 100	21100-464	418-2303	17.09	--	--
Collar Screw x 100	21101-101	418-2315	29.11	26.96	--

19" Instrument' Diplomat'



- Assembled cases for direct mounting of 482.60mm (19") Sub-racks and chassis
- Conform to **IEC297-1** and **DIN41494**
- Quick release top and bottom covers
- Optional front trims conceal 482.60mm (19") fixings

NOTE: Chassis supports must be ordered when fitting a chassis tray

203452

Height	Depth	Mftrs. List No.	Order Code	Price Each			
				1+	5+	10+	+
Cases							
3U	422	760-236563B	160-076	334.45	319.05	306.31	--
4U	422	760-236566G	160-088	362.68	346.07	332.20	--
6U	422	760-236569A	160-090	442.72	422.36	405.44	--
9U	522	760-236572A	160-106	606.24	578.36	555.28	--
Anodised Aluminium Front Panels							
3U	-	60-39268L	160-118	46.37	44.28	42.49	--
4U	-	60-39269G	160-120	56.73	54.13	51.97	--
6U	-	60-39270E	160-131	81.44	77.72	74.62	--
Front Bezel Trims							
3U	-	760-236865H	160-143	17.10	16.27	15.67	--
4U	-	760-236866F	160-155	18.21	17.40	16.68	--
6U	-	760-236867D	160-167	22.21	21.26	20.37	--
9U	-	760-236868B	160-179	31.53	--	--	--
Ventilated Rear Panels							
3U	-	760-236872L	160-180	26.50	25.28	24.34	--
4U	-	760-236873J	160-192	32.07	30.60	29.38	--
6U	-	760-236874G	160-209	37.76	36.03	34.56	--
9U	-	760-236875E	160-210	43.63	41.60	39.99	--
Chassis Supports - PK 2							
3U, 4U, 6U	-	60-43797D	160-222	21.40	20.36	19.60	--
9U	-	60-43798L	160-234	22.91	21.83	20.96	--
Chassis Tray							
3U, 4U, 6U	-	60-43803D	160-246	65.34	62.34	59.87	--
9U	-	60-43804L	160-258	68.46	65.33	62.73	--

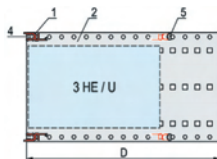
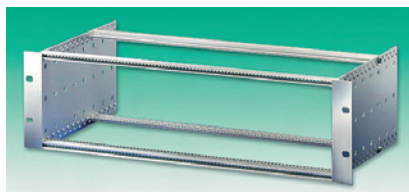
19" Rack Case



- Robust steel construction
- Design consists of integral base and sides
- Optional front, rear, top panels and handles
- Base of unit available vented or unvented
- Top cover vented as standard
- Anodised aluminium front panel, other panels painted light grey (RAL7035)
- Conforms to IEC-297-1, DIN41494.

H	D	Mftrs. List No.	Order Code	Price Each			
				1+	5+	10+	25+
Vented Bases							
1U	250	503-232945C	644-470	61.86	59.53	55.59	--
2U	250	503-232947K	644-481	70.73	68.33	63.77	--
2U	350	503-232953D	644-493	82.27	79.11	73.87	--
3U	250	503-232949F	644-500	81.26	78.14	73.65	--
3U	350	503-232955L	644-511	95.43	89.74	83.75	--
Unvented Bases							
1U	250	503-232946A	644-523	60.97	58.62	54.79	--
2U	250	503-232948H	644-535	70.05	67.39	62.96	--
2U	350	503-232954B	644-547	80.54	77.49	72.40	--
3U	250	503-232950K	644-559	80.32	77.28	72.26	--
3U	350	503-232956J	644-560	89.77	86.74	81.03	--
Rear Panels							
1U	-	503-232984D	644-572	20.85	20.05	18.73	--
2U	-	503-232985B	644-584	22.33	21.51	20.12	--
3U	-	503-232986L	644-596	23.75	23.00	21.44	--
Anodised Front Panels							
1U	-	503-232971B	644-602	27.11	26.07	24.37	--
2U	-	503-232974G	644-614	35.21	33.90	31.68	--
3U	-	503-232977A	644-626	42.71	39.90	42.08	--
Vented Top Covers							
250	-	503-232963A	644-638	30.72	29.59	28.62	--
350	-	503-232965H	644-640	33.63	32.30	31.92	--
Grey Handles							
				Price Per Set			
				1+	5+	10+	25+
1U	(Set of 2)	503-232979H	644-651	15.91	15.33	14.28	13.76
2U		503-232981K	644-663	19.09	18.36	17.13	16.55
3U		503-232983F	644-675	20.56	19.83	18.48	17.72

19" Subracks *europac* PRO, Unshielded 3U, 84HP



Features

- Two rack depths available
- Aluminium built, very robust
- Horizontal extrusions (rails) are optimised for best possible flow of air and heat dissipation

Material/Colour/Finish

- Horizontal rails and 19" mounting flanges are manufactured from an anodised aluminium extrusion
- 2mm aluminium side panels
- All contact surfaces are electrically conductive

Standards

- IEC 60297-3 / DIN 41 494-5
- Earthing to IEC / EN 60950

Subrack includes:

- 4 x Horizontal rail (Item 1)
- 2 x Side panels (Item 2)
- 2 x 19" mounting flanges (Item 3)
- 4 x Threaded inserts (Item 4)
- 2 x Insulating strips (Item 5)
- 1 x Assembly Kit

Note

If a backplane is to be mounted to the rear horizontal rail, the insulating strips contained in the delivery can be used as an intermediate layer. If connectors (IEC 60602-3 / DIN 41612) are fitted, additional perforated rails have to be mounted to the insulating strip of the rear horizontal rail.

Please order perforated rails separately.

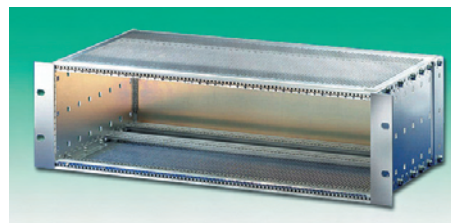
243006

Depth	Mftrs. List No.	Order Code	Price Each		
			1+	5+	10+
175	24563-131	418-2078	124.22	115.50	105.92
235	24563-132	418-2080	127.26	118.00	106.67

19" Subracks, *europac* PRO, Shielded



3U, 84HP



Features

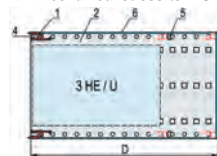
- Available in two rack depths
- Typical shielding of 40 dB @ 1GHz, providing the front is enclosed with shielded front panels
- Increased stability through strengthened horizontal rails, shock and vibration proof to IEC 61587-1

Material/Colour/Finish

- Horizontal rails, 19" mounting flanges and rear corner anodised aluminium extrusion
- 2mm aluminium side panels
- 2.5mm rear panel, visible surfaces are anodised
- 0.8mm cover plate, perforation Ø 4mm, airflow 60%
- All contact surfaces are electrically conductive

Standards

- IEC 60297-3 / DIN 41 494-5
- Earthing to IEC / EN 60950
- Shielding to VG 95373, T15
- Mechanical stress to IEC 61587-1



Includes:

- 6 x Horizontal rails (Item 1)
- 2 x Side panels (Item 2)
- 2 x 19" mounting flanges (Item 3)
- 6 x Threaded inserts (Item 4)
- 2 x Insulating strips (Item 5)
- 2 x Cover plate (Item 7)
- 1 x Rear panel (Item 8)
- 1 x EMC gasketing
- 1 x Assembly kit

Notes

If backplanes are to be mounted to the rear horizontal rail, the insulating strips included in the delivery can serve as an intermediate layer. If connectors (IEC 60602-3 / DIN 41612) are to be fitted, additional perforated rails have to be fitted to the insulating strip of the rear horizontal rail. Please order perforated rails separately.

243022

Depth	Mftrs. List No.	Order Code	Price Each		
			1+	5+	10+
235	24563-142	418-2169	352.03	318.13	295.80
295	24563-143	418-2170	360.66	332.86	315.19

18

Enclosures, Boxes & Equipment Racking

Compliant Non-compliant Limited stock - RoHS replacement available
RoHS

Frame Type Plug-In Units For Board Insertion *Schroff®*
With Cut Out for Rear Panel Connector



Features

- Suitable for all subracks and cases
- For boards in Euro-board format 3U: 100 x 160mm or 100 x 220mm
- Right and left side panels with grooves for the insertion of boards (standard position of boards only to the left)
- By mounting guide rails into the covers, further boards can be inserted.
- Includes two EMC-contact strips, which ensure the contact between the front panel of the unit with other 19" assembly parts
- Rear panel with cut-out for a connector to EN 60603 (DIN 41612)

Material/Colour/Finish

- 2.5mm aluminium anodised front panel
- 1.5mm aluminium rear and side panels
- Handle: PPE, grey, **UL94 V-1**

Standards

- **IEC 60297-3 / DIN 41 494-5**

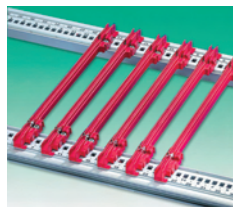
Includes:

- 1 x Front panel
- 2 x Side panel extrusions
- 1 x Assembly kit
- 1 x Handle
- 2 x Perforated covers
- 1 x Mounting bracket for 1 board
- 1 x Rear panel
- 2 x EMC-contact strip

243045

Width HP	Mftrs. List No.	Order Code	1+	5+	10+
3U Depth 167mm					
10	20846-660	418-2509	73.37	67.29	61.78
12	20846-661	418-2510	78.06	71.03	64.99
14	20846-662	418-2522	78.97	71.59	65.77
21	20846-663	418-2534	87.34	78.63	--
28	20846-664	418-2546	95.08	87.24	79.23
42	20846-665	418-2558	110.85	--	--
3U Depth 227mm					
10	20846-666	418-2560	82.17	75.52	68.55
12	20846-667	418-2571	85.69	79.85	71.36
14	20846-668	418-2583	86.57	80.34	72.15
21	20846-669	418-2595	102.36	95.37	--
28	20846-670	418-2601	108.90	99.68	90.71
42	20846-671	418-2613	133.96	120.51	111.65

Guide Rails



- Guide rails for board depth 160 or 220mm.
- Assemble by pressing into the horizontal rail
- Slot width 2mm, for board thickness 1.6mm

Material: PBT **UL94V-0**
Colour: Red

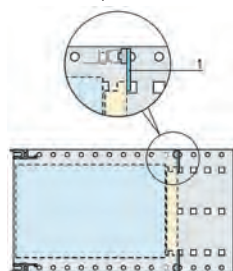
243018

10 Per Pack Depth	Mftrs. List No.	Order Code	1+	+	+
160	24560-351	418-2108	9.31	--	--
220	24560-353	418-2110	11.01	--	--

Perforated Rails For Connectors

IEC 60602-3 / DIN 41612

- 4 Perforated rails plus assembly kit



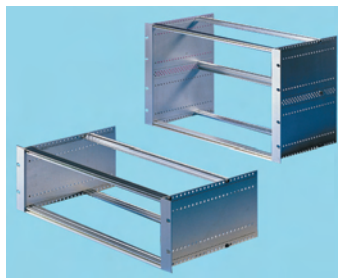
Schroff®

Schroff®

243013

HP	Mftrs. List No.	Order Code	1+	+	+
84	20822-048	418-2091	46.14	--	--

Ripac Eco Subrack System



- IEC 60 297-3
- IEEE 1101.1, 1101.10 and 1101.11
- Steel sides, Aluminium rails and flanges with conductive finish
- Slim rails and guides for better cooling
- Optional covers

Ripac Eco, 48HP subrack for 482.6mm (19") mounting

- Kit includes sides, flanges, front/rear rails, threaded inserts, assembly screws

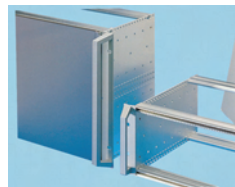
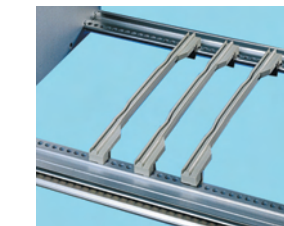
- Order insulating strip (backplanes), Z rails (Din 41612 connectors) and guide rails separately
- Accessories from Ripac range are used with Ripac Vario-Module Instrument cases

416180

Dimensions H x D	Mftrs. List No.	Order Code	1+	5+	+
3U x175mm	3688114	119-8861	84.97	83.70	--
3U x235mm	3688115	119-8862	87.08	85.56	--
6U x175mm	3688116	119-8863	109.35	107.74	--
6U x235mm	3688117	119-8864	113.40	111.55	--

Ripac Accessories

For Ripac Subracks and Vario-Module



- Ripac ECO covers (steel) fit PCB depth only
- Horizontal rails allows additional mounting options
- All rails 84HP length, ends tapped M4, may be cut down
- Rear rails tapped for backplane and connector rail mounting
- Guide rails have retaining spring for 1.6 - 2.0 mm PCBs

NEW

416199

Description	Pack	Mftrs. Size	List No.	Order Code	1+	5+	10+
Top & Bottom Covers							
84HP x 175 Vented	1	3688105	119-8866	10.28	9.51	9.11	
84HPx235 Vented	1	3688106	119-8867	13.63	12.62	12.15	
Horizontal rails, 84HP (Includes Fixings)							
Front, IEEE1101.10	2	3685269	119-8869	36.59	34.99	34.22	
Rear, top/bottom	2	3685268	119-8868	30.03	28.73	28.12	
Rear, Centre	1	3685270	119-8870	14.10	13.36	13.06	
Z Rail for Connectors	1	3684602	119-8871	8.37	7.93	7.77	
Tapped Strip, M2.5	1	3684610	119-8872	2.95	2.85	2.78	
Insulating Strip, 21HP	8	3685274	119-8873	7.30	6.96	6.80	
M2.5 x 6 Screws for Z Rail	100	3654340	119-8874	7.27	6.96	6.80	
M4 x 12 Screws for Rails	100	3654300	119-8875	17.81	17.44	17.44	
Subrack Front Handles							
3U	2	3636010	119-8878	21.86	19.92	18.78	
6U	2	3666010	119-8879	29.03	26.62	25.08	
PCB Guide Rails							
Standard 160	1	3684654	119-8880	0.70	0.67	0.65	
Standard 220	1	3684655	119-8881	0.90	0.87	0.87	

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www.farnell-newarkinone.com.sg

The very latest NEW products



Ripac Box-Type Plug-In Modules, 3U & 6U



- 2.50mm front panel (anodised) with handle (2 on 6U)
- Rear panel with DIN 41612 connector cut out (2 on 6U)
- 2 card holders and assembly screws
- Vented module covers should be ordered separately

416203

Description	Pack Size	Mfrs.		Price Each		
		List No.	Order Code	1+	10+	25+
Plug-In Modules						
3U x14HP x160mm	1	3653040	119-8884	45.45	42.39	38.02
3U x21HP x160mm	1	3653050	119-8885	48.73	45.42	43.96
3U x42HP x160mm	1	3653070	119-8888	54.19	50.65	--
3U x14HP x220mm	1	3653220	119-8891	51.12	47.67	42.76
3U x21HP x220mm	1	3653230	119-8892	54.61	50.91	45.66
3U x42HP x220mm	1	3653250	119-8893	65.75	61.94	--
6U x14HP x160mm	1	3653120	119-8894	73.06	68.15	61.12
6U x21HP x220mm	1	3653330	119-8895	88.69	82.72	75.59
Covers for Modules						
14HP x160mm	1	3687558	119-8896	21.87	20.64	18.53
21HP x160mm	1	3687559	119-8897	25.37	23.69	21.23
42HP x160mm	1	3687561	119-8900	14.76	14.33	13.99
21HP x220mm	1	3687566	119-8898	14.16	13.36	12.22
42HP x220mm	1	3687568	119-8899	23.67	22.26	20.39
Retaining Clips	2	3606321	119-8883	1.90	1.76	1.54
Accessories						
Card/Module Guide - 160mm	10	360670	208-413	9.58	8.91	7.97
Card/Module Guide - 220mm	10	360672	208-425	13.88	12.95	11.59
Tapped Strip - 431.8mm	2	360483	208-437	8.70	8.15	7.27
Positioning Strip - 426.72mm	4	360495	208-449	16.76	15.63	14.07
Insulation strip - 431.8mm	2	360485	208-450	4.27	3.97	3.58
Panel Fasteners	50	360667	208-462	87.14	81.24	72.83

Standard (Non-EMC) Front Panels
(Ripac and Ripac Vario-Module)



- Standard (anodised) aluminium front panels, 2.5mm
- Use for blanking plates
- Mounting use M2.5 screws and plastic collars
- Panels can be combined to fill unused space in the sub-rack

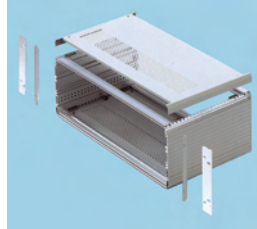
416204

Size	Pack of	Mfrs.		Price Each		
		List No.	Order Code	1+	5+	10+
Blanking Panels, Standard						
3U, 4HP	1	3684891	119-8913	6.80	6.53	6.36
3U, 6HP	1	3684893	119-8914	7.50	7.20	7.03
3U, 8HP	1	3684895	119-8915	8.87	8.64	8.44
3U, 84HP	1	3684907	119-8916	34.75	33.55	32.78
6U, 4HP	1	3684913	119-8917	10.45	10.04	9.84
6U, 8HP	1	3684917	119-8918	14.26	13.69	13.39
6U, 84HP	1	3684927	119-8921	64.52	62.34	60.93
Fastening Screws and Plastic Collars for Non-EMC Panels						
M2.5 Slotted	100	3658160	119-8923	30.80	29.23	28.52

- FREE to all account holders
- Notification of obsolete, end of line and end of stock items
- Replacement or upgrade recommendations

Advanced warning of obsolete components

Ripac Vario-Module Eurocard Instrument Case



- All metal construction
- Direct Eurocard mounting
- Desktop or rack mount
- 4U for air chamber under PCBs
- Optional IEEE 1101.10 front rails
- Non-EMC version
- Meets IEC 60 297-3
- Full (84HP) and half (42HP) widths
- RAL 7035 finish
- Uses Ripac Internal rails, guides and front/rear panels

- Supply includes rails at front and rear, aluminium sides, 1 pair of corner trims, solid bottom, vented top, push-in feet and assembly parts
- 19" flanges or front corner trims should be ordered separately from Ripac subrack internal rails and guides range

Cases

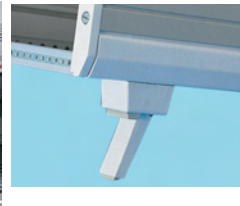
Dimensions HxWxD	Mfrs. List No.	Order Code	Price Each		
			1+	5+	10+
3U x 42HP x 250	1052184	102-1616	415.69	381.07	346.42
3U x 42HP x 310	1052185	102-1617	441.47	404.67	367.88
3U x 84HP x 310	1052186	102-1619	484.32	443.98	403.60
3U x 84HP x 370	1052187	102-1621	530.69	486.43	442.20
4U x 84HP x 310	1052188	102-1622	521.38	477.89	434.50
4U x 84HP x 370	1052189	102-1623	577.63	529.52	481.38
6U x 84HP x 370	1052190	102-1624	591.39	542.11	492.83
6U x 84HP x 370	1052191	102-1625	637.69	584.59	531.43

Front Finish Options

416205

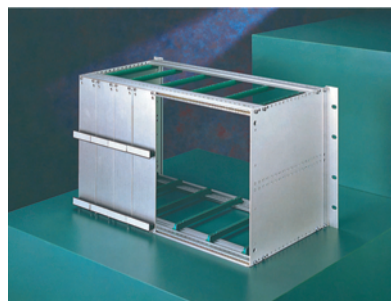
Height	Pack Size	Mfrs. List No.	Order Code	Price Each		
				1+	5+	10+
Corner Trims						
3U	2	3981310	119-8930	23.47	22.43	21.93
3U	2	3981260	119-8931	26.45	25.38	24.84
4U	2	3981270	119-8933	46.44	44.66	43.66
6U	2	3981280	119-8934	28.96	27.75	27.14

Vario-Module Accessories



Description	Pack Size	Mfrs.		Price Each		
		List No.	Order Code	1+	5+	10+
Side Handles						
250	2	3981350	488-8960	49.38	47.04	45.97
310	2	3981360	488-8972	52.66	50.29	49.15
370	2	3981370	488-8984	52.86	51.02	49.85
Front Handles						
3	2	3982350	102-1626	39.64	36.33	33.04
4U	2	3982360	102-1627	41.65	38.17	34.69
6	2	3982400	102-1628	50.19	46.00	41.82
Feet						
Rear Adjustable	4	3901000	119-8935	31.74	29.40	28.22
Fold Out	2	3919000	119-8936	16.14	15.07	14.46

'KM6-II' Sub-Rack System



- KM6-II subrack designed to IEC 297-3
- Modular construction for total application flexibility
- Rugged aluminium construction is easy to assemble
- Pre-tapped holes and machine screws throughout

18

Enclosures, Boxes & Equipment Racking

Compliant
Non-compliant
+ Limited stock - RoHS replacement available
RoHS



- EMC conversion kits available
- Capable of housing eurocards of various sizes
- Wide range of accessories available for maximum versatility

224463

Universal - 'KM6-II' Sub-Rack System



- Supplied in kit form and can be assembled in various configurations
- Tie bars are of large section for rigidity
- Capable of housing eurocards of various sizes
- End plates are punched which allows tie bars to be assembled in various positions
- Conductive finish for good earthing and screening
- Can be EMC screened with accessories

Mfrs. List No.	Height	Width	Depth	U	Order Code
950-202589L	132.5	448.6	240	3	644-845
950-202594G	132.5	448.6	360	3	644-857
950-202595E	265.9	448.6	360	6	644-869

224462

Size	Order Code	1+	5+	10+
3U84HP240	644-845	130.36	126.17	123.04
3U84HP360	644-857	145.82	140.87	137.42
6U84HP360	644-869	219.40	212.26	206.78

Front Panels - 'KM6-II'



- Front Panel Kit**
- Anodised aluminium panels in most popular widths, either 3U or 6U high
 - Converted to plug in units by addition of a card mounting bracket
 - Handles and aluminium ident labels included except 645-140 and 645-199

'C' Type Front Panel

- Has handles top and bottom for better connector disengagement

Hinged Front Panel

- Provides quick access to non panel mounted PCB's
- Can be used for mounting connectors

224464

Size	Mfrs. List No.	Order Code	1+	5+	10+
Front Panel Kits					
3U 4HP	957-235348K	645-102	14.60	13.20	12.78
3U 5HP	957-235349B	645-114	14.17	13.54	12.91
3U 6HP	957-235351K	645-126	16.65	15.90	15.07
3U 8HP	957-235353F	645-138	18.33	17.51	16.53
3U 84HP	957-236065F	645-140	34.97	33.77	32.69
6U 4HP	957-235459A	645-151	22.36	21.41	20.27
6U 8HP	957-235463K	645-187	28.11	27.18	26.29
6U 84HP	957-326073G	645-199	68.74	66.41	64.29
'C' Type Front Panel					
6U 4HP	957-244797B	645-205	22.12	21.13	20.05
Hinged Front Panel					
3U 84HP	957-236184J	645-230	58.36	56.32	53.40
			Price Per Set		
Card Mounting Brackets			1+	5+	10+
Plastic, Pack of 10	173-232669L	645-217	14.44	13.56	12.15
Metal, Pack of 10	173-44767C	645-229	43.41	42.24	37.89

EMC Screening - 'KM6-II'

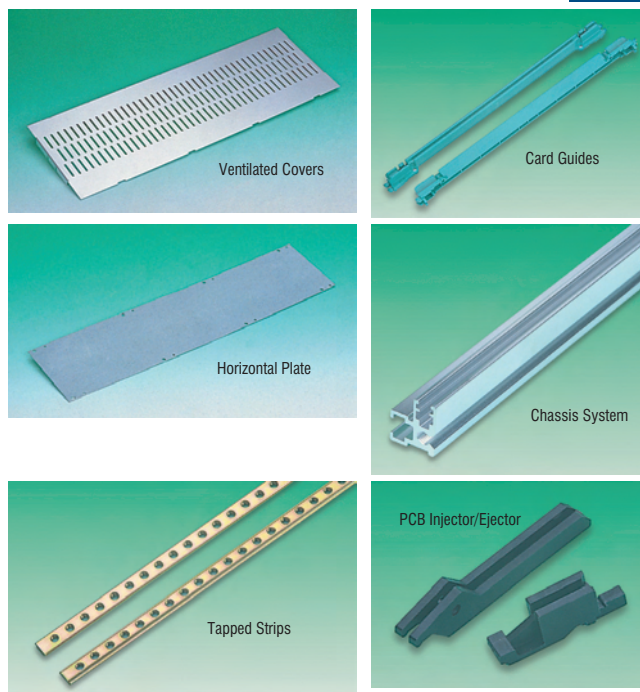


- Subracks can be EMC screened by adding a ventilated kit, plus front and rear panels
- Kit contains shielding covers, tie bars, tapped strip and closing angles to upgrade universal subrack
- EMC closing panels may be used at the front and rear of the subrack
- Double skin EMC panels with anodised front and conductive rear
- RFI finger strips available for electrical contact between panels

224465

Size	Mfrs. List No.	Order Code	1+	5+	10+
Ventilated EMC Kits					
3U 84HP 240	950-240575H	644-870	170.53	163.21	154.96
3U 84HP 360	950-240585E	644-882	212.82	203.66	193.39
6U 84HP 360	950-240588K	644-894	212.71	203.58	193.33
EMC Closing Panels					
3U 84HP	950-202694C	644-900	72.98	68.85	66.80
6U 84HP	950-202695A	644-912	109.15	102.97	99.83
			Price Per Pack		
EMC Finger Strip			1+	5+	10+
381mm (60 Fingers)	930-238243F	644-961	20.06	18.93	17.90

Subrack Accessories - 'KM6-II'



Ventilated Covers

- Provides protection against debris falling into the subrack
- Fitted after assembly, can be removed separately

Card Guides

- Available in 160mm or 220mm lengths. Suitable for 1.6mm thick PCBs
- Addition of tapped strip in front extrusion prevents movement of guides in vibration conditions

Backplane Spacer

- Required for use with Eurocard plug-in units to maintain correct connector geometry
- Two required for 3U application and four for 6U

DIN 41 612 Mounting Frame

- Enables connectors to be wired remotely and then fixed to backplane
- May be cut down in length for more localised applications

PCB Injector/Ejector

- Provides assistance with insertion/withdrawal of Eurocards with multiple connectors

Chassis System

- For mounting additional plates into a subrack
- For carrying additional components such as power supplies

224466

Size	Pack Qty.	Mftrs. List No.	Order Code	1+	Price Each	5+	10+
Ventilated Covers							
160mm	2	950-202625L	645-035	40.50	39.85	37.86	
220mm	2	950-202626J	645-047	48.30	46.80	44.49	
Card Guides							
160mm 1.6	10	950-232662J	644-973	18.51	17.33	16.38	
220mm 1.6	10	950-232663G	644-985	19.82	18.71	17.70	
Tapped Strip							
84HP	1	950-202001E	644-997	11.05	10.20	8.87	
Cheese head screws							
M2.5 x 5	100	173-202579H	645-000	16.12	15.03	14.27	
Back Plane Spacer							
84HP	1	950-10014H	645-011	5.60	5.23	4.71	
DIN 41612							
84HP	1	950-34244C	645-023	31.09	30.03	28.54	
PCB Injector/Ejector							
Pack	10 prs	950-251174D	645-059	52.83	50.24	47.56	
Chassis System							
84HP	1	956-242703L	645-060	16.01	15.08	14.30	
Fixing Screws							
M4 12mm	100	956-243261A	645-072	26.38	24.85	23.53	
Horizontal Plates							
84HP	1	956-242709K	645-084	12.43	11.73	11.34	
Vertical Plates							
3U 84HP	1	956-242706E	645-096	14.98	14.07	13.62	

482.60mm (19") Anodised Aluminium Panels



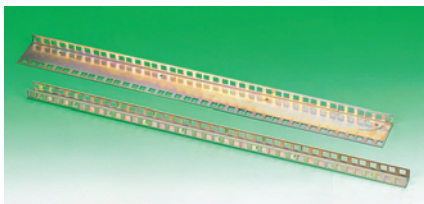
- 3mm aluminium NS4 half hard
- Finished in anodised (WP) etch and anodised

203440

Height	Mftrs. List No.	Order Code	1+	Price Each	10+	25+	+
1U (44.45)	50-0767G	929-773	23.26	21.38	19.46	--	
2U (88.9)	50-0768B	929-785	35.51	32.58	29.69	--	
3U (133.35)	50-0769H	929-797	45.63	41.98	38.12	--	
4U (177.8)	50-0770C	929-803	56.94	52.14	47.41	--	
6U (266.7)	50-0772D	929-815	79.82	73.38	66.73	--	
8U (355.6)	50-225828F	929-827	94.57	87.10	79.16	--	
9U (400.05)	50-24284D	929-839	102.22	94.01	85.46	--	
12U (533.4)	50-24286G	929-840	131.32	120.79	109.79	--	

Accessories

Rack Mounting Strip



'L' and 'U' section strip with holes conforming to IEC297 made from cadmium plated mild steel and passivated for strength and long service life. Supplied in 2m (45U) lengths.

219592

	Order Code	1+	Price Each	5+	10+
L section	116-7434	81.90	74.46	68.25	
U section	116-7440	91.65	83.33	76.38	

Tilt Feet - General Purpose



- Tilt feet kits suitable for all types and makes of plastic and metal enclosures
- Three colours moulded in ABS. Foot height 16mm (inc. insert)
- Kit comprises 4 foot mouldings, 4 rubber non-slip inserts, 2 tilt legs, 4 fixing screws and a drilling template

Operating temperature -40°C to +90°C

224467

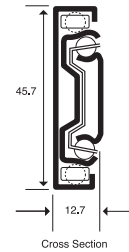
Mftrs. List No.	Colour	Order Code	1+	Price Per Pack	5+	10+	25+
A9257205	Grey RAL7035	775-460	15.30	14.08	13.01	12.28	
A9257207	Off-White RAL9022	775-472	14.82	13.58	12.37	--	
A9257209	Black RAL9005	775-484	14.82	13.58	12.37	--	

Telescopic Slides

Bright Zinc - 100% + extension



ACCURIDE



Full extension slides to suit 600 and 800 deep 19" cabinets, to be used on a range of sliding accessories shelves trays etc

- 100% + extension giving full access
- Front disconnect (by depressing lever) for removal
- Detent holds slide closed until extra force is applied
- High load ability (upto 45KG per pair)
- Universal mounting holes for ease of mounting
- Tolerance absorption tabs
- Silent movement

General Technical Information

- Internal clearances permit screw head dimensions not exceeding 2.5mm high x Ø9.6
- If slides are mounted horizontally, the load rating is decreased to approximately 25% of the vertical load rating
- All fixing positions must be used to achieve maximum load rating

Rack Depth	Slide Length	Travel	Weight	Load Rating	Mftrs. List No.	Order Code
600	406	1.27	45kg		DZ3832-B040	329-4973
800	600	610	1.91	39kg	DZ3832-B060	329-4985

Material Specification

- Slide member - cold rolled steel
- Ball retainers - cold rolled steel - zinc plated
- Ball bearings - precision type - carbon chrome steel
- Lubricant - Hi lo temperature grease
- Finish - cold rolled steel
- Tolerance - ±0.8 on linear ±0.2 on diameter

220461

	Order Code	1+	Price Each	5+	10+	+
400mm slide	329-4973	41.18	36.02	32.74	--	
600mm slide	329-4985	46.81	40.98	36.39	--	

Thermostats



- Miniature thermostats moulded in flame retardant ABS
- Flammability rated to UL94V-0. Sealed to IP30
- Normally closed contact versions can be used for heater control on enclosures
- Normally open contact versions can be used for fan control, ventilator control etc.
- Quick and simple mounting on 35mm DIN rail

Normally open H=60, W=33, D=35

Temp. adjustment range: 0-60°C Switching Capacity: 6A@250Vac (resistive load)

224472

	Order Code	1+	Price Each	10+	50+
Normally open	645-850	41.52	37.35	35.31	
Normally closed	645-849	41.52	37.35	35.31	

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Enclosures, Boxes & Equipment Racking

Compliant Non-compliant Limited stock - RoHS replacement available

RoHS

BS1363, 8 & 10 Way IEC 320 Sockets

482.60mm(19") Horizontal 2U Units



5 Way BS1363 Filtered

BS1363 Switched Socket Units

- 5 way individually switched sockets with 2m mains lead and plug
- Filtered and surge protection option designed to protect against mains borne transients, switching surges and spikes
- Unit live neon, single screw mounting

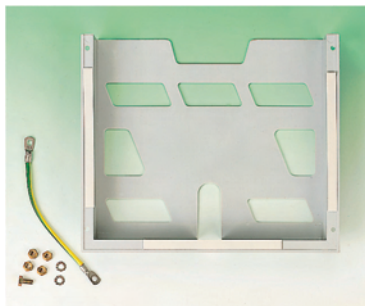
IEC 320 Filtered and Surge Protected

- 8 and 10 way IEC 320 shuttered sockets with 2m mains lead and plug
- Filtered and surge protected against mains borne transients, switching surges and spikes
- 10A unit fuse
- Unit live neon, single screw mounting

Mfrs. List No. DB5-011-02=605-979, DB5-141-12=605-992, DB56-011-12=605-980, DB5-171-12=606-005, 203442

Type	Filtered & Surge Protected	Order Code	Price Each			
			1+	5+	10+	25+
5 Way BS1363	No	605-979	126.63	120.43	--	--
5 Way BS1363	Yes	605-980	220.35	209.31	203.82	199.58
8 Way IEC 320	Yes	605-992	222.33	203.82	184.65	175.54
10 Way IEC 320	Yes	606-005	230.76	211.56	191.70	182.19

Earth Straps and Diagram Pockets



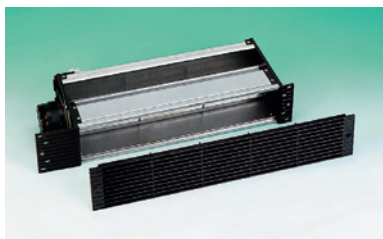
Earth Strap Kit Length = 170

Diagram Pocket A4: H=234, W=278, D=40 A5: H=174, W=188, D=22

- 6mm² green/yellow sleeved earthing straps for bonding cabinets, doors and mounting plates
- Fitted with two crimped eyelets and supplied with fixings
- Plastic diagram/documentation pockets available in A4 and A5 sizes
- Pockets have self adhesive fixing and holes pre-drilled for screw mounting

	Order Code	Price Each		
		1+	10+	+
Earth Strap Kit	465-320	11.43	10.55	--
Diagram Pockets				
A4 Grey	335-009	15.38	14.19	--
A5 Grey	335-010	13.38	12.39	--

Crossflow Fan



H = 88, W = 461, D = 175

- Compact and efficient, suitable for 482.60mm (19") racking systems
- Supplied with a washable filter, internal filter guard, front grille and fixing brackets
- Fitted with ball bearings
- 90° airflow - air enters via filter at front and is blown vertically upwards

Voltage Vac	Power Watts	Airflow Cu ft/Min	Airflow Ltrs/sec	Noise dB(A) @ 1m	Operating Temperature	Mfrs. List No.
220/240	34	188.4	88.9	59	-25°C to +70°C	QR06A-2EM.38.AB

224468

Order Code	Price Each		
	1+	5+	10+
899-940▲‡	328.27	295.56	282.78
960-1600●	328.27	295.56	282.78

Multipurpose Cabinet Key



- Designed for unlocking enclosure locks, including electric, gas and water cupboards, access air conditioning, ventilation systems, stop valves or mains consoles etc.
- 4 way diecast aluminium heads, triangular, square (6mm and 8mm) and ∅5 double bar head
- Supplied with tooling adaptor for 6.35mm hexagon bits, complete with double ended slotted screwdriver 7mm and Philips No2 bits

220464

Order Code	Price Each			
	1+	6+	+	+
722-5714	20.61	20.49	--	--

Desiccators

Silica Gel/Molecular Sieves



Desiccator

- Protects enclosures against corrosion, dampness and condensation
- Single circular mounting hole. Locknut and sealing ring supplied
- All indicators change colour from blue to pink in presence of moisture
- Polycarbonate housing contains absorbing agent which reduces airborne moisture
- May be used in electronic, telecommunications and computer equipment housing
- Reactivation possible (place into a ventilated oven at 120°C for 4 hours)

- In-built saturation indicator
- Life span, 3-6 months for IP55 and 6-9 months for IP67 enclosures

CAUTION : SILICA GEL DESICCATORS SHOULD BE ALLOWED TO COOL IN A SEALED CONTAINER FOLLOWING REACTIVATION

224471

Silica Gel Desiccators	Clearance Hole ∅mm	Order Code	Price Each		
			1+	10+	20+
10g	39	561-459	20.85	18.96	17.94

Anti Corrosion Vapour Capsules



- Offer protection to enclosures from rust
- Protects: Iron, Steel, Copper, Brass and Aluminium
- Non hazardous
- Continuous temperature rating up to +70 °C

Protective Radius	Volume Protected	Useful Life	External Dimensions			Order Code
			H	W	D	
0.3m	0.12m ³	1 year	20	50	25	335-022
0.6m	0.95m ³	1 year	25	55	30	335-034
0.6m	0.95m ³	2 years	25	75	30	335-046

203459

Order Code	Price Each			
	1+	5+	10+	25+
335-022	12.81	12.27	10.80	9.51
335-034	24.12	23.10	22.23	19.77
335-046	38.79	37.32	35.79	32.73