THE SYSTEM WITH 1001 POSSIBILITIES



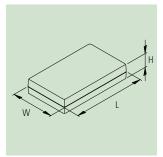












THE PRODUCT

The comprehensive SHELL-TYPE CASE range is available in different sizes, heights and types.

Simply choose the case that meets your special requirements best.

YOUR ADVANTAGE

A high degree of rigidity and tight fitting as a result of the tongue- and groove joint.

Flat design for small-volume components. Higher versions for larger components.

Guide ridges for vertical mounting of partitions and PCBs. Fastening pillars in top and base part.

3 different case types:

V: open front, closed rear.

O: open front, open rear.

G: closed front, closed rear.

Front and rear panels in aluminium or PMMA red (plexiglass®) available as accessories.

Without/with battery compartment.

Closed versions with flat top parts (type G), also with recessed area to protect the membrane keyboard.

APPLICATIONS

Measuring and control technology.

Medical field and laboratory technology.

Peripheral devices and interfaces, switchboxes, modems.

PROTECTION CLASS UP TO IP 65

For closed versions (G) without battery compartment when using the sealing kit (accessory).

3 HEIGHTS

Flat top part.	
Flat base part.	
-	
High top part.	
Flat base part.	
High top part.	
High base part.	
mgii base part.	

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SHELL-TYPE CASES



TYPES

SHELL-TYPE CASES V 85, 110, 155, 190

Open front, closed rear.





SHELL-TYPE CASES 0 155, 190

Open front, open rear.





SHELL-TYPE CASES G 85, 110, 155, 190

Closed front, closed rear.





BATTERY COMPARTMENTS

Case version II

1 x 9 V (SHELL-TYPE CASE V/G 110)

Case version III

4 x AA / 2 x 9 V (SHELL-TYPE CASE V/G 155, 190)

Case version IV

 $2 \times AA / 1 \times 9 V$ (SHELL-TYPE CASE V/G 155)









SHELL-TYPE CASES

	ENCLOSURES ENCLOSURES								
Part-No.	SHELL-TYPE- CASES	Outside dim. in mm			Versi battery comp.	Material			
A 94 04 333	V 85	85	45	22	I	_	_	71 x 38 / 71 x 38	ABS (UL 94 HB)
A 94 06 333	V 110	114	72	33	I	_	_	99 x 54 / 99 x 54	ABS (UL 94 HB)
A 94 06 343		114	72	45	I	_	_	99 x 54 / 98 x 54	ABS (UL 94 HB)
A 94 06 443		114	72	57	I	_	_	69 x 54 / 99 x 54	ABS (UL 94 HB)
A 94 06 334		114	72	33	II*2	1 x 9 V	_	69 x 54 / 98 x 54	ABS (UL 94 HB)
A 94 06 344		114	72	45	II*2	1 x 9 V	_	69 x 54 / 98 x 54	ABS (UL 94 HB)
A 94 08 333	V 155	158	95	33	I	_	_	143 x 77 / 143 x 77	ABS (UL 94 HB)
A 94 08 343		158	95	45	I	_	_	143 x 77 / 142 x 77	ABS (UL 94 HB)
A 94 08 443		158	95	57	I	_	_	142 x 77 / 142 x 77	ABS (UL 94 HB)
A 94 08 338		158	95	33	III*3	4 x AA / 2 x 9 V	_	83 x 77 / 143 x 77	ABS (UL 94 HB)
A 94 08 348		158	95	45	III*3	4 x AA / 2 x 9 V	_	83 x 77 / 142 x 77	ABS (UL 94 HB)
A 94 08 336		158	95	33	IV*4	2 x AA / 1 x 9 V	_	113 x 77 / 143 x 77	ABS (UL 94 HB)
A 94 08 346		158	95	45	IV*4	2 x AA / 1 x 9 V	_	113 x 77 / 142 x 77	ABS (UL 94 HB)
A 94 13 333	V 190	190	138	45	I	_	_	174 x 118 / 174 x 118	ABS (UL 94 HB)
A 94 13 343		190	138	68	Ī	_	_	174 x 118 / 173 x 118	ABS (UL 94 HB)
A 94 13 443	-	190	138	91	I	_	_	174 x 118 / 173 x 118	ABS (UL 94 HB)
A 94 13 338	-	190	138	45	III*3	4 x AA / 2 x 9 V	_	114 x 118 / 174 x 118	ABS (UL 94 HB)
A 94 13 348	-	190	138	68	III*3	4 x AA / 2 x 9 V	_	114 x 118 / 173 x 118	ABS (UL 94 HB)
A 94 08 330	O 155	158	95	33	I	-	_	142 x 77 / 142 x 77	ABS (UL 94 HB)
A 94 08 340	0 155	158	95	45	- <u>I</u>	_		142 x 77 / 142 x 77	ABS (UL 94 HB)
A 94 08 440	-	158	95	57	- <u>I</u>	_	_	142 x 77 / 142 x 77	ABS (UL 94 HB)
A 94 13 330	O 190	190	138	45	I	_		173 x 118 / 173 x 118	ABS (UL 94 HB)
A 94 13 340	0 130	190	138	68	- <u>I</u>	-	_	173 x 118 / 173 x 118	ABS (UL 94 HB)
A 94 13 440	-	190	138	91	- <u>I</u>	_	_	173 x 118 / 173 x 118	ABS (UL 94 HB)
A 94 04 331	G 85	85	45	22	_ <u>I</u>				
A 94 04 331 A 94 04 341	0 00	85	45	33	- <u>I</u>	_	<u> </u>	76 x 38 / 75 x 38	ABS (UL 94 HB)
A 94 04 341 A 94 04 441	-	85	45	45	- <u>I</u>		<u> </u>	76 x 38 / 75 x 37	ABS (UL 94 HB)
A 94 06 331	G 110	114	72	33	- <u>I</u>	_	_	75 x 37 / 75 x 37 104 x 54 / 104 x 54	ABS (UL 94 HB) ABS (UL 94 HB)
A 94 06 351 A 94 06 351	0 110	114	72	33.5	I	_	101.90 x 59.90		
A 94 06 341	-	114	72	45		_	101.90 X 59.90	104 x 54 / 104 x 54 104 x 54 / 103 x 54	ABS (UL 94 HB)
A 94 06 441	-	114	72	57	- <u>I</u>				ABS (UL 94 HB)
A 94 06 332	-	114	72	33	II*2	1 x 9 V	_	103 x 54 / 103 x 54 75 x 54 / 104 x 54	ABS (UL 94 HB)
A 94 06 352 A 94 06 352	-				II*2				ABS (UL 94 HB)
A 94 06 332 A 94 06 342	-	114	72	33.5	II*2	1 x 9 V	101.90 x 59.90	75 x 54 / 104 x 54	ABS (UL 94 HB)
A 94 08 331	C 155	114 158	72 95	45 33		1 x 9 V	_	75 x 54 / 103 x 54 149 x 77 / 149 x 77	ABS (UL 94 HB)
	G 155		95	33.5	_ <u>I</u>	_	144 40 91 40	149 x 77 / 149 x 77	ABS (UL 94 HB)
A 94 08 351	-	158			_ <u>I</u>	_	144.40 x 81.40		ABS (UL 94 HB)
A 94 08 341	_	158	95	45	_ <u>I</u>	<u> </u>	_	149 x 77 / 147 x 77	ABS (UL 94 HB)
A 94 08 441	_	158	95	57		4 44 /0 037	_	148 x 77 / 147 x 77	ABS (UL 94 HB)
A 94 08 337	_	158	95	33	III*3	4 x AA / 2 x 9 V	144.40 01.40	88 x 77 / 149 x 77	ABS (UL 94 HB)
A 94 08 357	_	158	95	33.5	- III*3	4 x AA / 2 x 9 V	144.40 x 81.40	88 x 77 / 149 x 77	ABS (UL 94 HB)
A 94 08 347	_	158	95	45	**3	4 x AA / 2 x 9 V	_	88 x 77 / 147 x 77	ABS (UL 94 HB)
A 94 08 335	_	158	95	33	IV*4	2 x AA / 1 x 9 V		119 x 77 / 149 x 77	ABS (UL 94 HB)
A 94 08 355		158	95	33.5	IV*4	2 x AA / 1 x 9 V	144.40 x 81.40	119 x 77 / 149 x 77	ABS (UL 94 HB)
A 94 08 345	0.100	158	95	45	IV*4	2 x AA / 1 x 9 V	_	119 x 77 / 148 x 77	ABS (UL 94 HB)
A 94 13 331	G 190	190	138	45	_ <u>I</u>	_	-	180 x 118 / 180 x 118	ABS (UL 94 HB)
A 94 13 351		190	138	45.5	I	_	172.00 x 120.00	180 x 118 / 180 x 118	ABS (UL 94 HB)
A 94 13 341		190	138	68	_ <u>I</u>	_	_	180 x 118 / 179 x 118	ABS (UL 94 HB)
A 94 13 441		190	138	91	I	-	_	180 x 118 / 179 x 118	ABS (UL 94 HB)
A 94 13 337		190	138	45	III*3	4 x AA / 2 x 9 V		120 x 118 / 180 x 118	ABS (UL 94 HB)
A 94 13 357		190	138	45.5	*3	4 x AA / 2 x 9 V	172.00 x 120.00	120 x 118 / 180 x 118	ABS (UL 94 HB)
A 94 13 347		190	138	68	III*3	4 x AA / 2 x 9 V	_	120 x 118 / 179 x 118	ABS (UL 94 HB)

 $\mathbf{V} = \text{Open front}$, closed rear.

O = Open front, open rear.

 $\mathbf{G} = \text{Closed front, closed rear.}$

 $^{^{\}ast 1}$ cutouts for pillars not taken into consideration; PCB mounting in base / top

^{*2} plug-in contact for 1 x 9 V flat battery see accessories page 100

 $^{^{*3}}$ set of battery clips for $4 \times AA$ are already supplied with the case; plug-in contact for 1×9 V flat battery see accessories page 100

^{*4} battery clips (2 single contacts and 1 double contact are necessary) and plug-in contact for 1 x 9 V flat battery must be ordered separately, see accessories page 100

SHELL-TYPE CASES

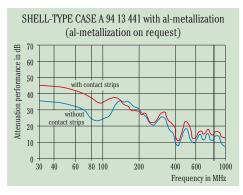


INFO-BOX

EMC

On request the shell-type cases are also available with aluminium metallization.

Bonding can be achieved by the available contact strips (accessory).





ACCESSORIES									
Article	Version / Application	For enclosure SHELL-TYPE CASE	Part-No.						
① Sealing kit	protection class up to IP 65 for cases type G (closed front and rear and without battery compartment), 1 O-ring for the case, 4 rubber disks for sealing between the assembly pillars	G 85 G 110 G 155 G 190	A 91 04 250 A 91 06 352 A 91 08 486 A 91 13 630						
② Contact strips	aluminium strips which provide additional electrical continuity between the top and base shells of shielded cases (order two pieces, one for each side), cases with al-metallization on request	V, G 85 V, G 110 V, O, G 155 V, O, G 190	A 91 04 073 A 91 06 095 A 91 08 120 A 91 13 150						
Article	Dim. in mm	For enclosure SHELL-TYPE CASE	Part-No. matt anodised Al PMMA (plexiglass®)						
③ Front / rear panel for SHELL-TYPE CASE V and O (1 piece)	36.0 × 14.6 × 1 59.3 × 25.0 × 1 59.3 × 37.0 × 1 59.3 × 49.0 × 1 81.9 × 23.6 × 1 81.9 × 35.6 × 1 81.9 × 47.6 × 1 124.2 × 33.6 × 1.5 124.2 × 79.6 × 1.5	A 94 04 33. A 94 06 33. A 94 06 34. A 94 06 44. A 94 08 33. A 94 08 34. A 94 08 34. A 94 13 33. A 94 13 34. A 94 13 34.	A 91 04 111 A 91 04 113 A 91 07 111 A 91 06 113 A 91 07 121 A 91 06 123 A 91 07 221 A 91 06 223 A 91 09 111 A 91 08 113 A 91 09 121 A 91 08 123 A 91 09 221 A 91 08 223 A 91 14 111 A 91 13 113 A 91 14 121 A 91 13 123 A 91 14 221 A 91 13 223						





