

Universal polyester cabinets



Standards

IEC 60439-1
IEC 60529
EN 60439-1
EN 60529
EN 50298

Approvals



UL types 3, 3R, 3S, 4, 4X,
12 and 13



CSA types 3, 3R, 3S, 4, 4X,
12 and 13



AS 3132-1991
Australian Standards

Features

- The range is available in seven sizes, ranging from 300 x 200 to 1000 x 800 mm.
- The cabinets are made of light-grey (RAL 7035) hot moulded, glass fibre reinforced polyester, dyed in mass. The enclosure is furnished with four threaded studs and bolts for mounting plate or mounting frame installation.
- The enclosure provides total insulation and a protection degree of IP66 following IEC 60529 and EN 60529.
- Protection degree IK10 against external mechanical impacts according to EN 50102. (IK07 for cabinets with glazed door)
- This protection covers the total volume of the enclosure according to EN 50298.
- Resists temperatures up to 70°C in continuous use (peak temperatures up to 150°C).
- Self extinguishing and halogen-free.
- Cabinets are maintenance free and corrosion resistant.
- Rated insulation voltage $U_i = 1000V$.

Applications

- Heavy industry
- Steel mills
- Petrochemical plants
- Temporary connection (for construction sites)
- Brewery
- Public services
- Street signalisation



Overview of the range ● Page B.2
Dimensional drawings ● Page J.18
Specifications for tender documents ● Page J.61
Power dissipation values ● Page J.82

Universal polyester cabinets

		Type	 ARIA 32	 ARIA 43	 ARIA 54	 ARIA 64
	Cabinet IP66 IK10 Supplied with double bit lock 3 mm	H x W x D	300 x 200 x 170	400 x 300 x 170	500 x 400 x 230	600 x 400 x 230
		Ref. No.	831025 one point closing system	831035 one point closing system	831052	831065
	Glazed door cabinet IP66 IK07 Supplied with double bit lock 3 mm	H x W x D	-	400 x 300 x 170	500 x 400 x 230	600 x 400 x 230
		Ref. No.	-	831128 one point closing system	831129	831130
	Mounting plates Pertinax 5 mm Sendzimir zinc coated sheet steel 2 mm Metal perforated 1.5 mm	H x W	250 x 150	350 x 250	450 x 350	550 x 350
		Ref. No.	831027	831038	831054	831067
		Ref. No.	831026	831037	831053	831066
		Ref. No.	831332	831333	831334	831335
	Mounting frame Banks Modules	Ref. No.	831030	831041	831057	831070
			2	2	3	3
			12	24	54	54
	Rail for terminal blocks Available spaces for terminal	Ref. No.	831018	831019	831020	831020
			2	3	4	4
	Full cover plates Plain With cut-outs for DIN-rail equipment With cut-out for individual modular cover plates Number of ind. mod. cover plates containable	Ref. No.	831028	831039	831055	831068
		Ref. No.	831029	831040	831066	831069
		Ref. No.	-	831790	831791	831792
			-	2	3	3
	Individual modular cover plates IP20 (PVC) Plain With cut-out for DIN-rail equipment Modules	H x W	-	150 x 239	150 x 343	150 x 343
		Ref. No.	-	831797 (*)	831799	831801 (**)
		Ref. No.	-	831796 (*)	831798	831800 (**)
			-	12	17	18
			-			

Pack: 1

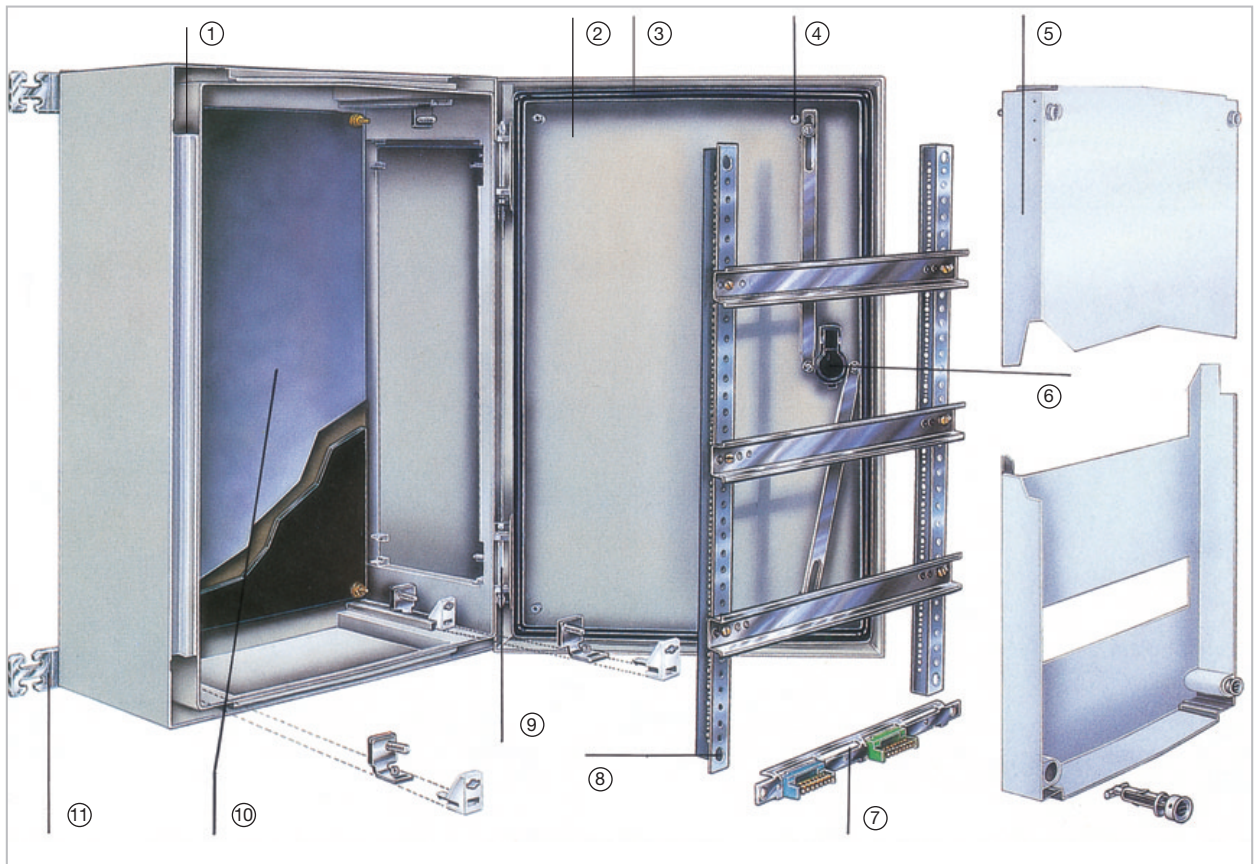
(*) and (**): see page B.6

Applications

- Industry
- Steel works
- Oil refineries
- Breweries
- Shipyards
- Public utilities

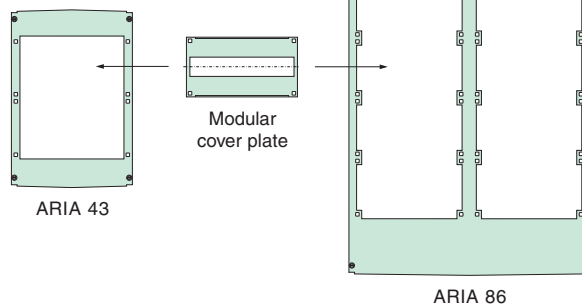
ARIA 75	ARIA 86	ARIA 108
700 x 500 x 270 831081	800 x 600 x 300 831098	1000 x 800 x 300 831112
700 x 500 x 270 831131	800 x 600 x 300 831132	1000 x 800 x 300 831133
650 x 450 831083 831082 831336	750 x 550 831100 831099 831337	950 x 750 831114 831113 831338
831086 4 88	831103 4 112	831117 5 200
831021 6	831022 7	831023 10
831084 831085 831793 4	831101 831102 831794 8	831115 831116 831795 10
150 x 423 831803 831802 22	150 x 239 831797 (*) 831796 (*) 12	150 x 343 831801 (**) 831800 (**) 18





- | | |
|---|---|
| <ul style="list-style-type: none"> ① Housing in one piece ② Removable door: left- or right-hand hinged ③ Slightly curved gasket-slot avoiding stagnant water ④ Fixing points at rear of door ⑤ Cover plate: <ul style="list-style-type: none"> - polyester RAL 7035 - hinged - independent - reversible - sealable - with snap-on fixing ⑥ Three point closing system with one lock. Exchangeable locks. | <ul style="list-style-type: none"> ⑦ Independent rail for terminal blocks ⑧ Mounting frame <ul style="list-style-type: none"> - removable - predrilled - reinforced DIN-rails ⑨ Integrated hinges. Door opens 180° ⑩ Mounting plate <ul style="list-style-type: none"> - metal - pertinax - perforated ⑪ Direct wall fixing points or wall fixing lugs in synthetic material or stainless steel. |
|---|---|

Full cover plates with cut-out for individual modular cover plates



The cabinets ARIA 43 and 86 (*) as well as ARIA 64 and 108 (**) contain the same individual modular cover plates (plain and with cut-out).

Accessories



Fixing lugs

831000 1

Set of 4 fixing lugs.
304 stainless steel.



831001 1

Set of 4 fixing lugs in polyamide



Hinge supports

831010 1

Set of 2 hinge supports for cover plate



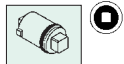
Locks

Interchangeable (one key included)



831008 1

3 mm



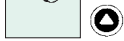
831005 1

8 mm



831006 1

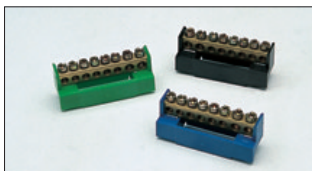
8 mm



831007 1

11 mm

Other locks on request.



Branch terminals

6 x 10 mm² + 2 x 16 mm²
to clip on 12 x 2 mm bar

610185 4

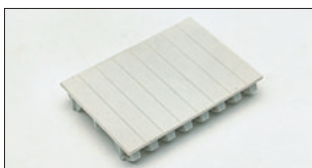
Phase bar – black

610186 4

Earth bar – green

610187 4

Neutral bar – blue



Blanking plate

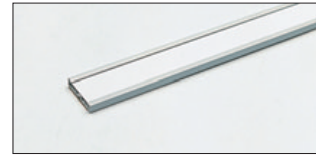
610142 10

For 4 modules

Marking strip

851321 1m

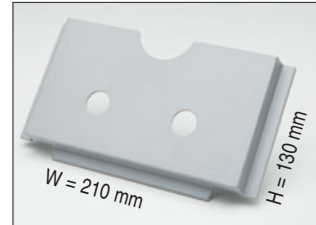
Self adhesive



Document pocket

832000 1

Self adhesive
W x H = 210 x 130



Nuts

For perforated mounting plates

831328 50

M4

831329 50

M5

831330 50

M6



Handles

831003 1

Neutral handle



831004 1

Handle with lock and 2 keys V2432E

832024 1

Handle for profile half cylinder



832023 1

Handle for profile half cylinder for padlocking



Ventilation grids (IP44)

831009 1

Set of two ventilation grids

