

Polyester boxes - Surface mounting IP66**Series IPA**

Universal polyester boxes serie IPA are designed for industrial applications, public lightings and road, outdoor installations, corrosive environments, and they do not need any maintenance.

The boxes are watertight IP66, total insulated, made by reinforced polyester and they are available with plain door or transparent door, from 315x215mm to 1035x835mm dimensions.

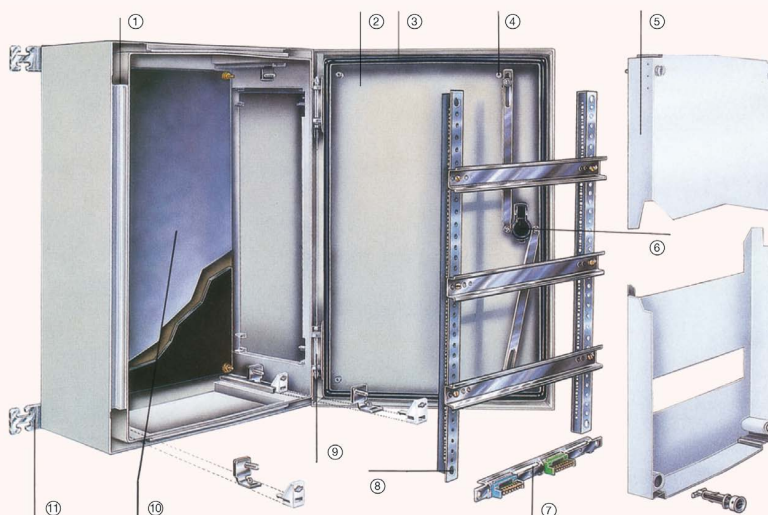
All enclosures can be equipped with metal or pertinax back plate, inner door, modular lids, mounting frame with DIN rows, key lock, ventilation accessories.

Technical characteristics:

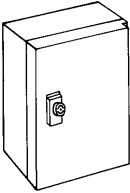
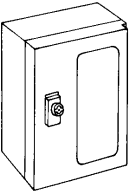
- Protection degree: IP66
- Total insulation: class II 
- Rated insulation voltage (Ui): 1000V
- Structure: hot moulded, glass fibre reinforced polyester, dyed in mass (25%), self extinguishing and halogen-free, cabinets are maintenance free and corrosion resistant
- Resistance to impact: IK10 with blind door, IK07 with transparent door
- Color: Grey RAL 7035
- Working temperature: -50 +70°C (150°C peak)
- Key lock: included (optional with key)
- Standards: EN 60439-1, EN60529, EN62208
- Approvals: for approvals ULand CSA ask to the company

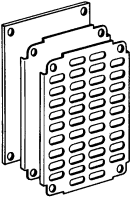
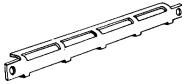


- ① Housing in one piece
- ② Removable door: left- or right-hand hinged
- ③ Slightly curved gasket-slot avoiding stagnant water
- ④ Fixing points at rear of door
- ⑤ Cover plate:
 - polyester RAL 7035
 - hinged
 - independent
 - reversible
 - sealable
 - with snap-on fixing
- ⑥ Three point closing system with one lock.
- ⑦ Independent rail for terminal blocks
- ⑧ Mounting frame
 - removable
 - predrilled
 - reinforced DIN-rails
- ⑨ Integrated hinges. Door opens 180°
- ⑩ Mounting plate
 - metal
 - pertinax
 - perforated
- ⑪ Direct wall fixing points or wall fixing lugs in synthetic material or stainless steel.

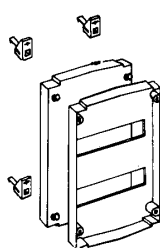


Cassette in poliestere da parete IP66

Cabinets							
	Type	Description	Dimensions			Reference number	
			Width	Height	Depth		
	IPA32	Cabinet IPA with blind door IP 66-9 with key lock	215 mm	315 mm	170 mm	831025	
	IPA43		315 mm	415 mm	170 mm	831035	
	IPA54		415 mm	515 mm	230 mm	831052	
	IPA64		415 mm	615 mm	230 mm	831065	
	IPA75		535 mm	735 mm	270 mm	831081	
	IPA86		635 mm	835 mm	300 mm	831098	
	IPA108		835 mm	1035 mm	300 mm	831112	
	IPA431	Cabinet IPA with transparent door IP 66-5 with key lock	315 mm	415 mm	170 mm	831128	
	IPA541		415 mm	515 mm	230 mm	831129	
	IPA641		415 mm	615 mm	230 mm	831130	
	IPA751		535 mm	735 mm	270 mm	831131	
	IPA861		635 mm	835 mm	300 mm	831132	
	IPA1081		835 mm	1035 mm	300 mm	831133	

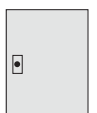
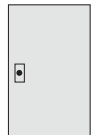
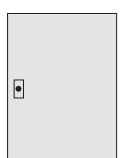
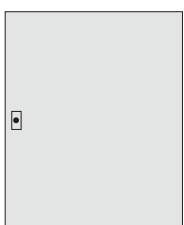
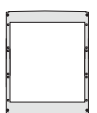
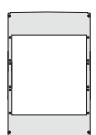
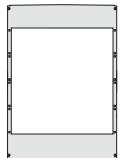
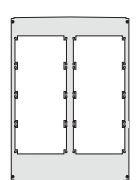
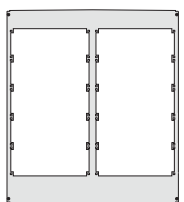
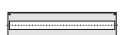
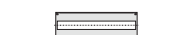
Accessories							
	Type	Description	Mounting on cabinet	Dimensions			Reference number
				Width	Height	Depth	
	IPAMS32	Mounting plates in sendzimir zinc coated 2mm	IPA32	150 mm	250 mm	2 mm	831026
	IPAMS43		IPA43	250 mm	350 mm	2 mm	831037
	IPAMS54		IPA54	350 mm	450 mm	2 mm	831053
	IPAMS64		IPA64	350 mm	550 mm	2 mm	831066
	IPAMS75		IPA75	450 mm	650 mm	2 mm	831082
	IPAMS86		IPA86	550 mm	750 mm	2 mm	831099
	IPAMS108		IPA108	750 mm	950 mm	2 mm	831113
	IPAM32	Mounting plates in Pertinax 5mm	IPA32	150 mm	250 mm	5 mm	831027
	IPAM43		IPA43	250 mm	350 mm	5 mm	831038
	IPAM54		IPA54	350 mm	450 mm	5 mm	831054
	IPAM64		IPA64	350 mm	550 mm	5 mm	831067
	IPAM75		IPA75	450 mm	650 mm	5 mm	831083
	IPAM86		IPA86	550 mm	750 mm	5 mm	831100
	IPAM108		IPA108	750 mm	950 mm	5 mm	831114
	IPAML32	Mounting plates perforated sheet steel 1,5mm	IPA32	150 mm	250 mm	1,5 mm	831332
	IPAML43		IPA43	250 mm	350 mm	1,5 mm	831333
	IPAML54		IPA54	350 mm	450 mm	1,5 mm	831334
	IPAML64		IPA64	350 mm	550 mm	1,5 mm	831335
	IPAML75		IPA75	450 mm	650 mm	1,5 mm	831336
	IPAML86		IPA86	550 mm	750 mm	1,5 mm	831337
	IPAML108		IPA108	750 mm	950 mm	1,5 mm	831338
	IPAMR32	Mounting frame 2 rows (12M)	IPA32				831030
	IPAMR43	Mounting frame 2 rows (24M)	IPA43				831041
	IPAMR54	Mounting frame 3 rows (54M)	IPA54				831057
	IPAMR64	Mounting frame 3 rows (54M)	IPA64				831070
	IPAMR75	Mounting frame 4 rows (88M)	IPA75				831086
	IPAMR86	Mounting frame 4 rows (96M)	IPA86				831103
	IPAMR108	Mounting frame 5 rows (180M)	IPA108				831117
	IPATK2	Rails for terminals blocks	IPA32				831018
	IPATK3	Rails for terminals blocks	IPA43				831019
	IPATK4	Rails for terminals blocks	IPA54/64				831020
	IPATK6	Rails for terminals blocks	IPA75				831021
	IPATK7	Rails for terminals blocks	IPA86				831022
	IPATK10	Rails for terminals blocks	IPA108				831023

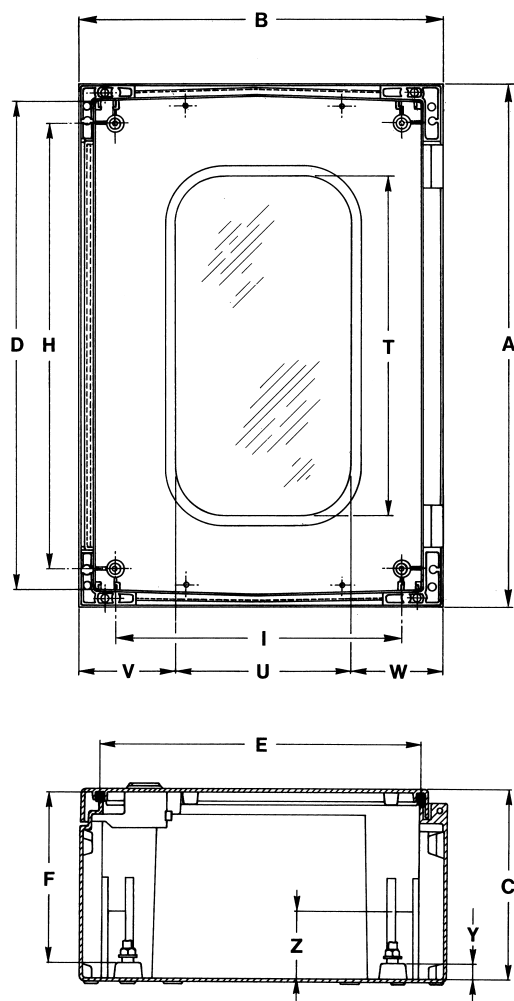
Polyester boxes - Surface mounting IP66

Accessories					
	Type	Description	Mounting on cabinet	Reference number	
	IPAA322	Full cover plate with cut-out for modular panel 2 file (12 moduli)	IPA32	831029	
	IPAA432	Full cover plate with cut-out for modular panel 2 file (24 moduli)	IPA43	831040	
	IPAA543	Full cover plate with cut-out for modular panel 3 file (54 moduli)	IPA54	831056	
	IPAA643	Full cover plate with cut-out for modular panel 3 file (54 moduli)	IPA64	831069	
	IPAA754	Full cover plate with cut-out for modular panel 4 file (88 moduli)	IPA75	831085	
	IPAA864	Full cover plate with cut-out for modular panel 4 file (96 moduli)	IPA86	831102	
	IPAA1085	Full cover plate with cut-out for modular panel 5 file (180 moduli)	IPA108	831116	
	IPAA32	Full cover plate with cut-out for blind panel	IPA32	831028	
	IPAA43	Full cover plate with cut-out for blind panel	IPA43	831039	
	IPAA54	Full cover plate with cut-out for blind panel	IPA54	831055	
	IPAA64	Full cover plate with cut-out for blind panel	IPA64	831068	
	IPAA75	Full cover plate with cut-out for blind panel	IPA75	831084	
	IPAA86	Full cover plate with cut-out for blind panel	IPA86	831101	
	IPAA108	Full cover plate with cut-out for blind panel	IPA108	831115	
	IPABV	Set fixing lugs in stainless steel		831000	
	IPABK	Set fixing lugs in polyamide		831001	
	IPAAS	Set hinge supports		831010	
	IPAZBS	Set ventilation grids		831009	
	IPAZBM4	Nuts M4		831328	
	IPAZBM5	Nuts M5		831329	
	IPAZBM6	Nuts M6		831330	
	IPADB	Double-bit lock core 3mm		831008	
	IPASVK	Square lock 8 mm 8mm		831005	
	IPASDK8	Triangular 8 lock core 8mm		831006	
	IPASDK11	Triangular 11 lock core 11mm		831007	
	IPAHG	Handle		831003	
	IPAHS	Handle for profile half cylinder		831004	

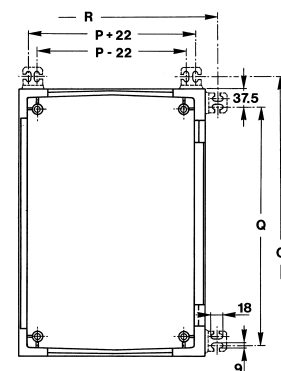
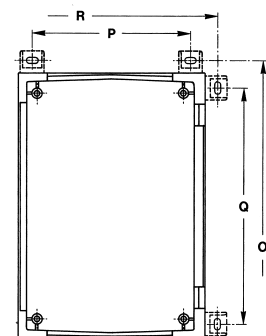
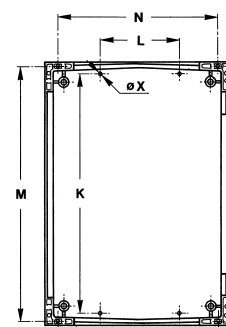
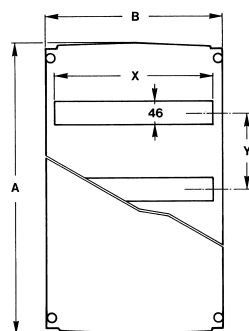
Polyester boxes - Surface mounting IP66

Accessories					
	Type	Description	Montaggio su cassetta	Riferimento interno	
	IPACM43	Cover plates for individuals modular panel 2 rows - 12 modules	IPA43	831790	
	IPACM54	Cover plates for individuals modular panel 3 rows - 17 modules	IPA54	831791	
	IPACM64	Cover plates for individuals modular panel 3 rows - 18 modules	IPA64	831792	
	IPACM75	Cover plates for individuals modular panel 4 rows - 22 modules	IPA75	831793	
	IPACM86	Cover plates for individuals modular panel 4 rows x 2 - 12 modules	IPA86	831794	
	IPACM108	Cover plates for individuals modular panel 5 rows x 2 - 18 modules	IPA108	831795	
	IPAPC43/86	Blind panel H = 150mm	IPA43	831797	
	IPAPC54	Blind panel H = 150mm	IPA54	831799	
	IPAPC64/108	Blind panel H = 150mm	IPA64	831801	
	IPAPC75	Blind panel H = 150mm	IPA75	831803	
	IPAPC43/86	Blind panel H = 150mm	IPA86	831797	
	IPAPC64/108	Blind panel H = 150mm	IPA108	831801	
	IPAPM43/86	Modular panel H = 150mm 12 modules	IPA43	831796	
	IPAPM54	Modular panel H = 150mm 17 modules	IPA54	831798	
	IPAPM64/108	Modular panel H = 150mm 18 modules	IPA64	831800	
	IPAPM75	Modular panel H = 150mm 22 modules	IPA75	831802	
	IPAPM43/86	Modular panel H = 150mm 12 modules	IPA86	831796	
	IPAPM64/108	Modular panel H = 150mm 18 modules	IPA108	831800	

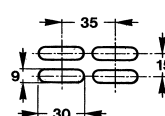
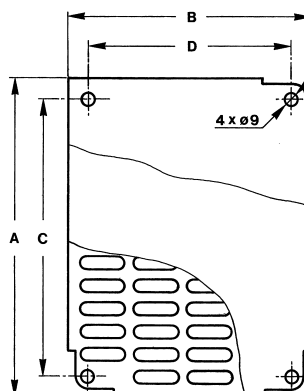
Combinations					
IPA43 (L x H x P)	IPA54 (L x H x P)	IPA64 (L x H x P)	IPA75 (L x H x P)	IPA86 (L x H x P)	IPA108 (L x H x P)
315 x 415 x 170mm	415 x 515 x 230mm	415 x 615 x 230mm	535 x 735 x 270mm	635 x 835 x 300mm	835 x 1035 x 300mm
					
IPACM43	IPACM54	IPACM64	IPACM75	IPACM86	IPACM108
2 rows - 12 modules	3 rows - 17 modules	3 rows - 18 modules	4 rows - 22 modules	4 rows x 2 - 12 modules	5 rows x 2 - 18 modules
					
2 x IPAPC43/86 Blind panel	3 x IPAPC54 Blind panel	3 x IPAPC64/108 Blind panel	4 x IPAPC75 Blind panel	8 x IPAPC43/86 Blind panel	10 x IPAPC64/108 Blind panel
239 x 150mm	343 x 150mm	343 x 150mm	423 x 150mm	239 x 150mm	343 x 150mm
					
2 x IPAPM43/86 Modular panel	3 x IPAPM54 Modular panel	3 x IPAPM64/108 Modular panel	4 x IPAPM75 Modular panel	8 x IPAPM43/86 Modular panel	10 x IPAPM64/108 Modular panel
239 x 150mm 12 modules	343 x 150mm 17 modules	343 x 150mm 18 modules	423 x 150mm 22 modules	239 x 150mm 12 modules	343 x 150mm 18 modules
					

Polyester boxes - Surface mounting IP66**Dimensions - Series IPA****Cabinets**

IPA	32	43	54	64	75	86	108
A	315	415	515	615	735	835	1035
B	215	315	415	415	535	635	835
C	170	170	230	230	270	300	300
D	275	375	475	575	675	775	975
E	170	270	370	370	470	570	770
F	148	148	206	206	246	276	276
H	225	325	425	525	625	725	925
I	125	225	325	325	425	525	725
K	275	375	475	575	675	775	975
L	70	150	200	200	300	400	600
M	295	395	495	595	-	-	-
N	155	255	355	355	-	-	-
O	362	462	562	662	782	882	1082
P	162	262	362	362	482	582	782
Q	262	362	462	562	682	782	982
R	262	362	462	462	582	682	882
T	-	280	380	480	580	680	880
U	-	130	230	230	330	430	630
V	-	114	114	114	124	124	124
W	-	69	69	69	79	79	79
X	6	6	6	6	9	9	9
Y	14	14	15,5	15,5	15,5	15,5	15,5
Z	28	25	88	88	118	148	148

**Panels**

IPA	32	43	54	64	75	86	108
File	2	2	3	3	4	4	5
A	279	379	479	579	690	790	990
B	162	262	362	362	462	562	762
X	108	216	324	324	396	2x216	2x324
Y	125	150	150	150	150	150	150

Mounting plates

IPA	32	43	54	64	75	86	108
A	250	350	450	550	650	750	950
B	150	250	350	350	450	550	750
C	225	325	425	525	625	725	925
D	125	225	325	325	425	525	725

Polyester boxes - Surface mounting IP66

Temperature rise (Kelvin) - Surface mounting														
Power dissipation (W)	IPA32		IPA43		IPA54		IPA64		IPA75		IPA86		IPA108	
	Half	Top	Half	Top	Half	Top	Half	Top	Half	Top	Half	Top	Half	Top
10	12	15	8	10	6	7	5	6	4	5	3	4	2	3
20	21	26	15	18	10	12	9	11	7	9	6	7	4	5
30	30	36	20	25	14	17	12	15	10	12	8	10	5	7
40	37	46	26	32	17	21	15	19	12	15	10	13	7	9
50	45	55	31	38	21	25	18	22	15	18	12	15	8	11
60			36	44	24	29	21	26	17	21	13	18	9	13
70			41	49	27	33	24	29	19	24	15	20	11	14
80			45	55	30	36	27	33	21	26	17	23	12	16
90					33	40	29	36	23	29	18	25	13	18
100					36	44	32	39	26	31	20	27	14	19
110					39	47	34	42	28	34	22	29	15	21
120					42	50	37	45	30	36	23	31	16	22
130							39	49	32	39	25	33	17	24
140							42	51	33	41	26	35	19	25
150									35	43	28	37	20	26
160									37	46	29	39	21	28
170									39	48	31	41	22	29
180									41	50	32	43	23	31
190											34	45	24	32
200											35	47	25	33
210											37	49	26	35
220											38	51	27	36
230													28	37
240													29	39
250													30	40
260													31	41
270													31	42
280													32	44
290													33	45
300													34	46
310													35	47
320													36	49
330													37	50

Temperature rise (Kelvin) - Front, left and upperside free														
Power dissipation (W)	IPA32		IPA43		IPA54		IPA64		IPA75		IPA86		IPA108	
	Half	Top	Half	Top	Half	Top	Half	Top	Half	Top	Half	Top	Half	Top
10	15	19	11	13	7	9	6	8	5	6	4	5	3	4
20	27	33	19	23	12	15	1	14	8	10	7	8	5	6
30	37	46	26	32	17	21	15	19	11	14	10	12	7	9
40	47	57	33	40	22	26	19	24	14	18	12	15	9	11
50			39	48	26	32	23	28	17	21	14	18	10	14
60			45	56	30	37	27	33	20	24	17	21	12	16
70					34	41	30	37	23	28	19	23	13	18
80					38	46	33	41	25	31	21	26	15	20
90					42	51	37	45	28	34	23	28	16	22
100							40	49	30	37	25	31	18	24
110									32	40	27	33	19	26
120									35	43	29	36	21	27
130									37	45	31	38	22	29
140									39	48	33	41	23	31
150									42	51	35	43	25	33
160											37	45	26	35
170											39	47	27	36
180											41	50	29	38
190													30	40
200													31	41
210													32	43
220													34	45
230													35	46
240													36	48
250													37	49
260													39	51
270														
280														
290														
300														
310														
320														
330														