



ROC

IP66 Polyester Double Insulation Boxes

The ROC series watertight boxes are made of fibreglass-reinforced polyester and insulating material that keeps the switchgear installed on the inside perfectly insulated.

With IP66 protection, they are available in two versions, with opaque or transparent lid, delivering excellent modular versatility in order to cater to the different applications: configuration of controlgear, switchgear or centralised meters for control, derivation and distribution purposes.

They are designed for outside use in the tertiary or industrial sectors and can be installed in aggressive environments thanks to their degree of protection, non-hygroscopic materials and UV protection.



ROC Technical Specifications

- Degree of protection: IP66.
- Resistance to impact: IK09.
- Test of resistance to glow wire: 960 °C.
- Ambient temperature range: -25 °C / +40 °C.
- Dielectric strength: >150 kV/cm.
- Insulation resistance: 3.3 kV.
- Protection against contacts: Double insulation.
- Thermal class: A 120 °C.
- Maximum rated operating voltage: 1000 V AC / 1500 V DC.

ROC Certifications

Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 62208 and UNE-EN 61439-1.
(as applicable).

ROC

IP66 polyester double insulation boxes



Product series

Standard

- IP66 boxes with polyester case and transparent polycarbonate lid.
- IP66 boxes with polyester case and opaque polycarbonate lid.
- Range: 32-33-34-42-44-63-64-66-84-86 modules.
- The 32-34-44-63-64-66 modules admit the high-lid variant.
- Set of 10 modular insulation boxes with height and width dimensions that are multiples of one module.
1 module = 90 mm.

Material

Bases manufactured in RAL 7035 grey fibreglass-reinforced polyester.

Transparent lids made of polycarbonate.

Opaque lids manufactured in RAL 7035 grey polycarbonate.

Main characteristics:

- Halogen-free.
- Non-hygroscopic (zero water absorption).
- Double insulation.
- Corrosion-resistant.
- Alkali-resistant.
- Transparent and opaque lids with ultraviolet (UV) protection.

Recommended applications

Industrial environments and outdoor facilities; chemical and pharmaceutical industries, transformer sub-stations and outdoor areas where durability and resistance against chemicals and UV rays are necessary.

Designation of references

References are designated with two digits:

- The first one indicates the width in number of modules.
- The second one indicates the height in number of modules.

E.g: ROC32APT 3 = width (3x90 = 270 mm).

2 = height (2x90 = 180 mm).

A = High lid.

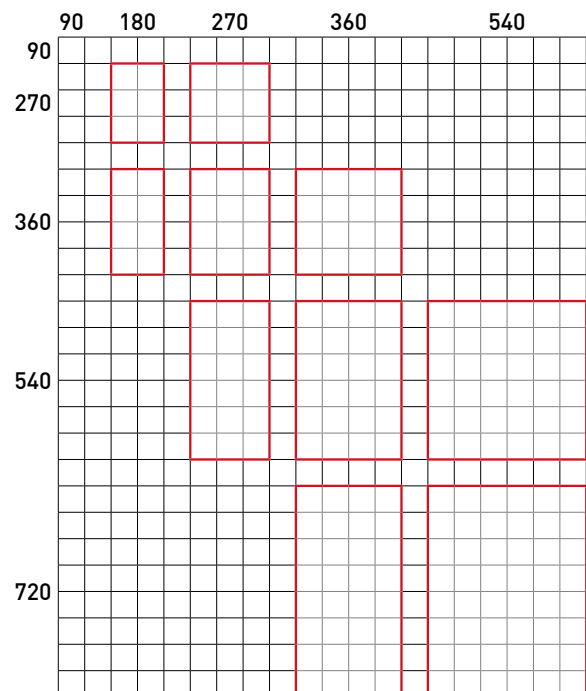
PT = Transparent door.

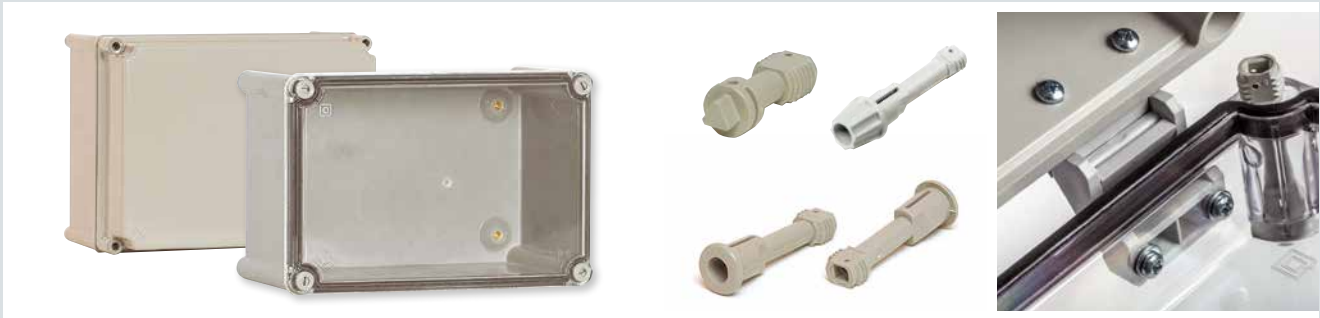
Supply

Supplied in a single box per packaging multiples.

Each reference includes:

- Bag with four closing screws (Ref. 29551), except boxes ROC32 with screws reference 29555, and ROC42 with screws reference 29554.
- Bag of four screws for fixing the mounting plate.





Base

- System composed of modular boxes with height and width dimensions that are multiples of a 90-mm module.
- They come with M6 inserts in zamak for fixing mounting plates, switchgear, etc. Dismountable for subsequent recycling.

Lid

- Possibility of opaque or transparent polycarbonate lid: Opaque polycarbonate lid in RAL 7035 grey. Transparent lid in polycarbonate.
- Screws for use with a screwdriver. Other types of closing screws supplied as accessories: manual, for grey, blue or triangular screwdriver. Screws used in ROC42 references are sealables.
- Different hinge models supplied as accessories to easily turn the box into a cabinet.

Intended for industrial and outdoor facilities providing a high degree of protection against chemical agents and UV-rays

Total flexibility

- Boxes can be joined vertically and horizontally using brackets in order to achieve multiple combinations and constructions.
- High lids can be used to increase box depth.

Fixing systems

- Direct wall- or post-fixing. (Fixing elements supplied as accessories).



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Boxes with transparent lid. IP66 Polyester

Reference No.	Modules	Dimensions			Usable inner space			Wall-mount. dim.		Plate-mounting dim.			Weight kg	Power dissipation according to temperature increase °C P(W)				
		A	B	C	D	E	F	G	H	I	J	K		20	25	30	35	40
ROC32PT	3x2	270	180	141	250	160	124	245	155	200	110	-	1.2	12.05	15.06	18.07	21.08	24.09
ROC32APT	3x2 high	270	180	171	250	160	154	245	155	200	110	-	1.3	13.60	17.00	20.39	23.79	27.19
ROC33PT	3x3	270	270	171	250	250	154	245	245	200	200	-	1.6	17.49	21.86	26.23	30.60	34.97
ROC34PT	3x4	270	360	171	250	340	154	245	335	200	290	-	2.0	21.38	26.72	32.06	37.41	42.75
ROC34APT	3x4 high	270	360	201	250	340	184	245	335	200	290	-	2.0	23.45	29.32	35.18	41.05	46.91
ROC42PT	4x2	360	180	171	340	160	154	335	155	290	110	-	1.3	17.12	21.40	25.69	29.97	34.25
ROC44PT	4x4	360	360	171	340	340	154	335	335	290	290	-	2.4	26.49	33.11	39.74	46.36	52.98
ROC44APT	4x4 high	360	360	201	340	340	184	335	335	290	290	-	2.6	28.91	36.14	43.36	50.59	57.82
ROC63PT	6x3	540	270	171	515	245	154	515	245	470	200	200	2.7	30.45	38.06	45.67	53.28	60.90
ROC63APT	6x3 high	540	270	201	515	245	184	515	245	470	200	200	3.0	33.28	41.60	49.92	58.25	66.57
ROC64PT	6x4	540	360	171	515	335	154	515	335	470	290	200	3.6	36.72	45.90	55.08	64.26	73.44
ROC64APT	6x4 high	540	360	201	515	335	184	515	335	470	290	200	3.8	39.82	49.77	59.73	69.68	79.64
ROC66PT	6x6	540	540	171	515	515	154	515	515	470	470	200	5.2	49.26	61.58	73.89	86.21	98.52
ROC66APT	6x6 high	540	540	201	515	515	184	515	515	470	470	200	5.4	52.89	66.11	79.33	92.56	105.78
ROC84PT	8x4	720	360	201	695	335	184	695	335	650	290	290	4.2	50.73	63.41	76.09	88.77	101.46
ROC86PT	8x6	720	540	201	695	515	184	695	515	650	470	290	7.3	66.97	83.72	100.46	117.20	133.95

RAL 7035 polyester.

Transparent polycarbonate lid with UV protection.

1 module = 90 mm.

ROC42 boxes: sealables.

Boxes with opaque lid. IP66 Polyester

Reference No.	Modules	Dimensions			Usable inner space			Wall-mount. dim.		Plate-mounting dim.			Weight kg	Power dissipation according to temperature increase °C P(W)				
		A	B	C	D	E	F	G	H	I	J	K		20	25	30	35	40
ROC32PO	3x2	270	180	141	250	160	124	245	155	200	110	-	1.2	12.05	15.06	18.07	21.08	24.09
ROC32APO	3x2 high	270	180	171	250	160	154	245	155	200	110	-	1.3	12.05	15.06	18.07	21.08	24.09
ROC33PO	3x3	270	270	171	250	250	154	245	245	200	200	-	1.6	17.49	21.86	26.23	30.60	34.97
ROC34PO	3x4	270	360	171	250	340	154	245	335	200	290	-	2.0	21.38	26.72	32.06	37.41	42.75
ROC34APO	3x4 high	270	360	201	250	340	184	245	335	200	290	-	2.0	23.45	29.32	35.18	41.05	46.91
ROC42PO	4x2	360	180	171	340	160	154	335	155	290	110	-	1.3	17.12	21.40	25.69	29.97	34.25
ROC44PO	4x4	360	360	171	340	340	154	335	335	290	290	-	2.4	26.49	33.11	39.74	46.36	52.98
ROC44APO	4x4 high	360	360	201	340	340	184	335	335	290	290	-	2.6	28.91	36.14	43.36	50.59	57.82
ROC63PO	6x3	540	270	171	515	245	154	515	245	470	200	200	2.7	30.45	38.06	45.67	53.28	60.90
ROC63APO	6x3 high	540	270	201	515	245	184	515	245	470	200	200	2.9	33.28	41.60	49.92	58.25	66.57
ROC64PO	6x4	540	360	171	515	335	154	515	335	470	290	200	3.6	36.72	45.90	55.08	64.26	73.44
ROC64APO	6x4 high	540	360	201	515	335	184	515	335	470	290	200	3.8	39.82	49.77	59.73	69.68	79.64
ROC66PO	6x6	540	540	171	515	515	154	515	515	470	470	200	5.2	49.26	61.58	73.89	86.21	98.52
ROC66APO	6x6 high	540	540	201	515	515	184	515	515	470	470	200	5.4	52.89	66.11	79.33	92.56	105.78
ROC84PO	8x4	720	360	201	695	335	184	695	335	650	290	290	4.2	50.73	63.41	76.09	88.77	101.46
ROC86PO	8x6	720	540	201	695	515	184	695	515	650	470	290	7.3	66.97	83.72	100.46	117.20	133.95

RAL 7035 polyester.

Opaque polycarbonate lid.

1 module = 90 mm.

ROC42 boxes: sealables.

SEE ACCESSORIES ON [PAGE 106](#).

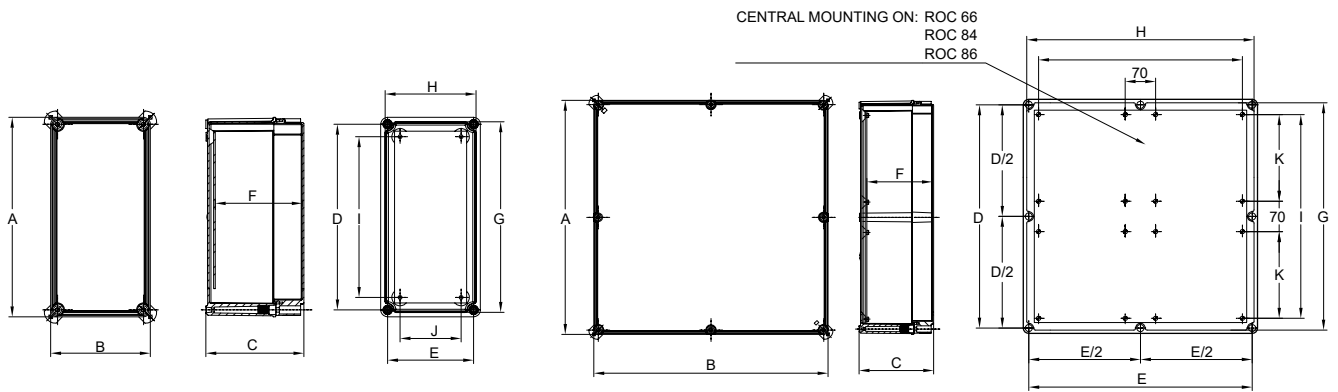


Box with opaque lid



Box with transparent lid

Dimensions





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