

# FIBOX ARCA Electrical Enclosure ARCA-504021

HIGH PERFORMANCE POLYCARBONATE | IP66 IK10

500H x 400W x 210D

IP Enclosures, in partnership with FIBOX, offer premium non-metallic electrical enclosures worldwide. The FIBOX ARCA series, manufactured from high-performance polycarbonate, is engineered for both indoor and outdoor applications. These enclosures provide superior UV resistance, corrosion resistance, and impact resistance. Designed and manufactured in Finland, the ARCA range meets the highest international quality standards.

**EAN:** 6418074079220

**Electric Numbers:**

- Finland: 3423099
- Denmark: 8212091090
- Sweden: 2500116

**ETIM:** EC000261

**Protection:** IP66 IK10

**Standards (& Conformities):** IEC/EN 62208, IEC/EN 61439-1, IEC/EN 61439-4, UL508A

**Material:**

- Body: High Performance Polycarbonate
- Door: High Performance Polycarbonate
- Seal: Polyurethane

**Body:** The durable body is fabricated using high-performance polycarbonate which provides superior resistance to corrosion, UV exposure, and mechanical impact. It is fully insulated and halogen-free. A galvanised mounting plate with screws is provided.

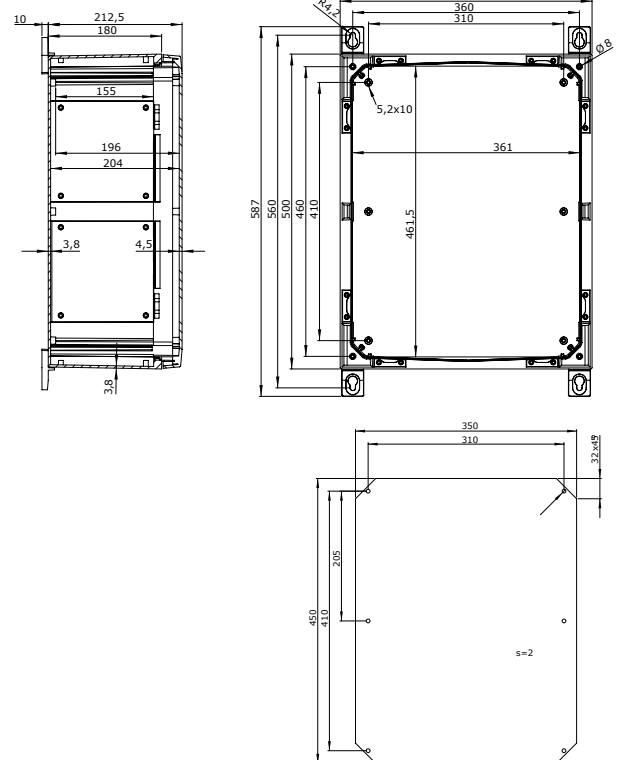
**Door:** The durable door is made from high performance polycarbonate and is provided with polyurethane seal. The inner side of the door has a special molded rib design for additional durability and stability. Hinges are fitted on the longer side of the enclosure. Door with transparent windows are available as an accessory.

**Seal:** Polyurethane.

**Lock:** 3mm double bit lock with key. 2-point locking system with door guide included. Swing handle locking solution is available upon request.

**Mounting Plate:** 2.0mm galvanised steel. Supplied fitted.

**Standard Colour:** RAL7035 Light Grey.



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## ACCESSORIES:

| Part Number         | Description                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------|
| MPMP-ARCA-5040      | Galvanised Steel Multiperforated Mounting Plate 450mmH x 350mmW x 1.5mmD-Ø3.6mm to suit 500mmH x 400mmW x 210mmD ARCA Enclosure  |
| IDS ARCA 5040       | Inner Door Set 485mmH x 385mmW x 35mmD (Galvanised Steel Door Frames; Aluminium Door)                                            |
| DRS ARCA 504021*    | Galvanised Steel DIN Rail Frame Set 485mmH x 385mmW x 35mm                                                                       |
| RCS-ARCA-5040       | Stainless Steel Rain Canopy Set 30mmH x 400mmW x 20mmD to suit 400mmH/500mmH x 400mmW ARCA Enclosure                             |
| WMKQ10S**           | Polycarbonate Plastic Wall Mounting Lugs Set 35mmH x 75mmW x 20mmD to suit 200mmH x 300mmW up to 600mmH x 800mmW ARCA Enclosures |
| WMKQ50S**           | Polycarbonate Plastic Wall Mounting Lugs Set 37mmH x 77mmW x 50mmD to suit 200mmH x 300mmW up to 600mmH x 800mmW ARCA Enclosures |
| WMK-ARCA-10-SMALL** | Stainless Steel Wall Mounting Lugs Set 34mmH x 56mmW x 20mmD to suit 200mmH x 300mmW x up to 600mmH x 800mmW ARCA Enclosures     |
| WMK-ARCA-40-SMALL** | Stainless Steel Wall Mounting Lugs Set 34mmH x 56mmW x 50mmD to suit 200mmH x 300mmW x up to 600mmH x 800mmW ARCA Enclosures     |
| PMK ARCA 40         | Stainless Steel Pole Mounting Kit for Ø100-300mm Pole 385mmH x 285mmW x 35mmD                                                    |
| DSP ARCA VRS        | Door Stopper ARCA; Vertical; Right; Small; 15mmH x 104mmW x 16mmD                                                                |
| DSP ARCA VLS        | Door Stopper ARCA; Vertical; Left; Small; 15mmH x 104mmW x 16mmD                                                                 |

\*3 rows x 16 modules for size 500H x 400W x 210D ARCA Enclosure

\*\*Installation Methods:

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| WMKQ10S -          | Provide 10mm offset or gap clearance between wall and cabinet |
| WMKQ50S -          | Provide 50mm offset or gap clearance between wall and cabinet |
| WMK-ARCA-10-SMALL- | Provide 10mm offset or gap clearance between wall and cabinet |
| WMK-ARCA-40-SMALL- | Provide 40mm offset or gap clearance between wall and cabinet |

## PARAMETERS:

|                                        |                       |
|----------------------------------------|-----------------------|
| Electrical Insulation:                 | Fully Insulated       |
| Halogen Free (DIN/VDE 0472, Part 815): | Yes                   |
| UV Resistance:                         | UL 746C               |
| Flammability Rating:                   | UL 94 5VA             |
| Glow Wire Test (IEC 60695)°C:          | 960°C                 |
| NEMA Class:                            | NEMA 1, 4, 4X, 12, 13 |
| Temperature °C (short term):           | -40...+120°C          |
| Temperature °C (continuous term):      | -40...+80°C           |

## CERTIFICATES:

Certificate FI 42298. Our Ref. HEL-CERT191100721-06.