

## **Kaedra™ Weatherproof DIN Type Enclosures**

### **Applications**

- Expandable enclosures for service, industrial, or equipment applications
- Protects against water, dust, and chemical and atmospheric agents
- Kaedra mini-enclosures are designed for small installations (3 to 12 modules) replacing Mini-Pragma™ weatherproof enclosures.
- Kaedra enclosures come in seven sizes from 12 to 72 modules (18 mm per module).

### **Standard Features**

- IP 65: as per IEC 60529 for protection against ingress of solids and liquids.
- IK09: Protection against shocks and resistance to chemical and atmospheric agents, ultraviolet light, etc.
- Class 2: Total insulation
- Flame and abnormal heat resistance: 750°C as per IEC 60695-2-1
- Conformity with IEC 670 standard for empty enclosures and with IEC 439-3 standard for equipped switchboards.
- It is made of insulating material, Class 2, and can be sealed and/or locked (keylock or insert). It complies with IEC 60439-3 Standards.  
Not UL/CSA recognized.

### **Construction**

- Modern, non-metallic (styrene), sturdy appearance in light gray RAL 7035; smooth surfaces and rounded corners to increase impact strength.
- Transparent (green) door for immediate visibility; door can be mounted left or right with clip-on hinges; secure closing due to multiple latching points; door may be locked to limit access.
- Punchout holes on four sides and back enable cable insertion throughout.

### **Installation**

- Can be installed horizontally and/or vertically
- Enclosures can be combined and added at any time using the association kits to provide mechanical connection and cable routing.
- Cabling is quick and efficient with the provided terminal blocks and wiring straps.
- Distance between rails (125, 150, 175 mm) and rail depth are adjustable. Chassis can be removed for assembly of equipment.
- Function identification with a clip-on label with protection cover.

Figure 41:



Table 65: Kaedra Weatherproof Mini-Enclosures<sup>1</sup>

| Description                     | Dimensions |     |      |     |      |     | Cat. No. |
|---------------------------------|------------|-----|------|-----|------|-----|----------|
|                                 | W          |     | H    |     | D    |     |          |
|                                 | in.        | mm  | in.  | mm  | in.  | mm  |          |
| 1 Row of 3 Modules <sup>2</sup> | 3.15       | 80  | 5.9  | 150 | 3.86 | 98  | 13956    |
| 1 Row of 4 Modules              | 4.84       | 123 | 7.87 | 200 | 4.41 | 112 | 13957    |
| 1 Row of 6 Modules              | 6.26       | 159 | 7.87 | 200 | 4.41 | 112 | 13958    |
| 1 Row of 8 Modules              | 7.68       | 159 | 7.87 | 200 | 4.41 | 112 | 13959    |
| 1 Row of 12 Modules             | 10.51      | 267 | 7.87 | 200 | 4.41 | 112 | 13960    |

<sup>1</sup> Accessories include: terminal blocks and terminal block support; Class II plugs.

<sup>2</sup> Enclosure modules are 18 mm wide.

**NOTE:** The Kaedra Weatherproof enclosures replace the Mini-Pragma enclosures.

Figure 42:



Table 66: Kaedra Weatherproof Enclosures<sup>1</sup>

| Description                      | Dimensions |     |       |     |      |     | Cat. No. |
|----------------------------------|------------|-----|-------|-----|------|-----|----------|
|                                  | W          |     | H     |     | D    |     |          |
|                                  | in.        | mm  | in.   | mm  | in.  | mm  |          |
| 1 Row of 12 Modules <sup>2</sup> | 13.39      | 340 | 11.02 | 280 | 6.23 | 160 | 13962    |
| 2 Rows of 12 Modules             | 13.39      | 340 | 18.11 | 460 | 6.23 | 160 | 13964    |
| 3 Rows of 12 Modules             | 13.39      | 340 | 24.02 | 610 | 6.23 | 160 | 13966    |
| 1 Row of 18 Modules              | 13.39      | 340 | 11.02 | 280 | 6.23 | 160 | 13963    |
| 2 Rows of 18 Modules             | 13.39      | 340 | 18.11 | 460 | 6.23 | 160 | 13965    |
| 3 Rows of 18 Modules             | 13.39      | 340 | 24.02 | 610 | 6.23 | 160 | 13967    |
| 4 Rows of 18 Modules             | 13.39      | 340 | 33.15 | 842 | 6.23 | 160 | 13968    |

<sup>1</sup> Accessories include: Terminal blocks and terminal block support; 1 marking kit per row; 1 wiring strap per row; Class II plugs, and blanking plates (5 x 18 mm modules per row).

<sup>2</sup> Enclosure modules are 18 mm wide.

## Accessories

Necessary accessories are included with enclosure, including: Terminal blocks and terminal block support; one marking kit; Class II plugs.

Other options available are listed in Table 67.

Table 67: Kaedra Weatherproof Enclosure Accessories

| Description                                      | Cat. No. |
|--------------------------------------------------|----------|
| Association Kit (2 Sleeves + 4 Nuts + 4 Washers) | 13934    |
| Blanking Plate (Set of 10 x 5 Modules)           | 13940    |
| Sealing Kit (2 Screws, 5 Fasteners)              | 13947    |
| Keylock (Eurolock no. 850)                       | 13948    |
| Plain Front Plate, 12 Modules                    | 13944    |
| Plain Front Plate, 18 Modules                    | 13945    |
| Cable Gland, PG11 (0.732 in./18.6 mm)            | 83992    |
| Cable Gland, PG13.5                              | 83993    |
| Cable Gland, PG16 (0.886 in./22.5 mm)            | 83994    |
| Cable Gland, PG21 (1.114 in./28.3 mm)            | 83995    |
| Cable Gland, PG29 (1.457 in./37 mm)              | 83996    |
| Cable Gland, PG36 (1.85 in./47 mm)               | 83997    |

## Kaedra Weatherproof Mini-Enclosure Dimensions

Table 69: Kaedra Weatherproof Mini-Enclosure Dimensions

| No. of Modules | L    |     | H   |     | Weight |       | Cat. No. |
|----------------|------|-----|-----|-----|--------|-------|----------|
|                | in   | mm  | in  | mm  | lbs    | grams |          |
| 3              | 3.1  | 80  | 5.9 | 150 | 0.66   | 300   | 13956    |
| 4              | 4.8  | 123 | 7.9 | 200 | 0.99   | 450   | 13957    |
| 6              | 6.3  | 159 | 7.9 | 200 | 1.32   | 600   | 13958    |
| 8              | 7.7  | 195 | 7.9 | 200 | 1.76   | 800   | 13959    |
| 12             | 10.5 | 267 | 7.9 | 200 | 1.98   | 900   | 13960    |

Figure 77: Kaedra Weatherproof Mini-Enclosures

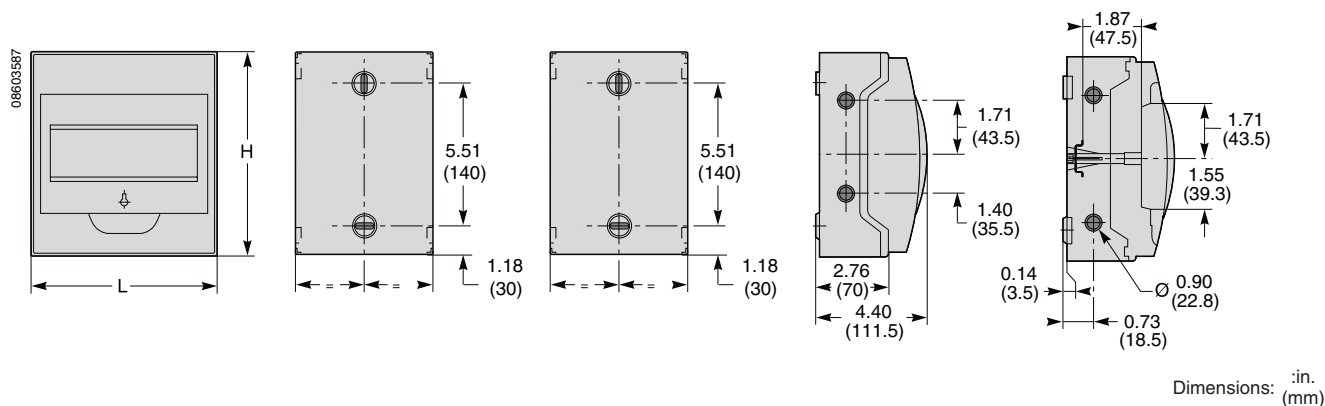
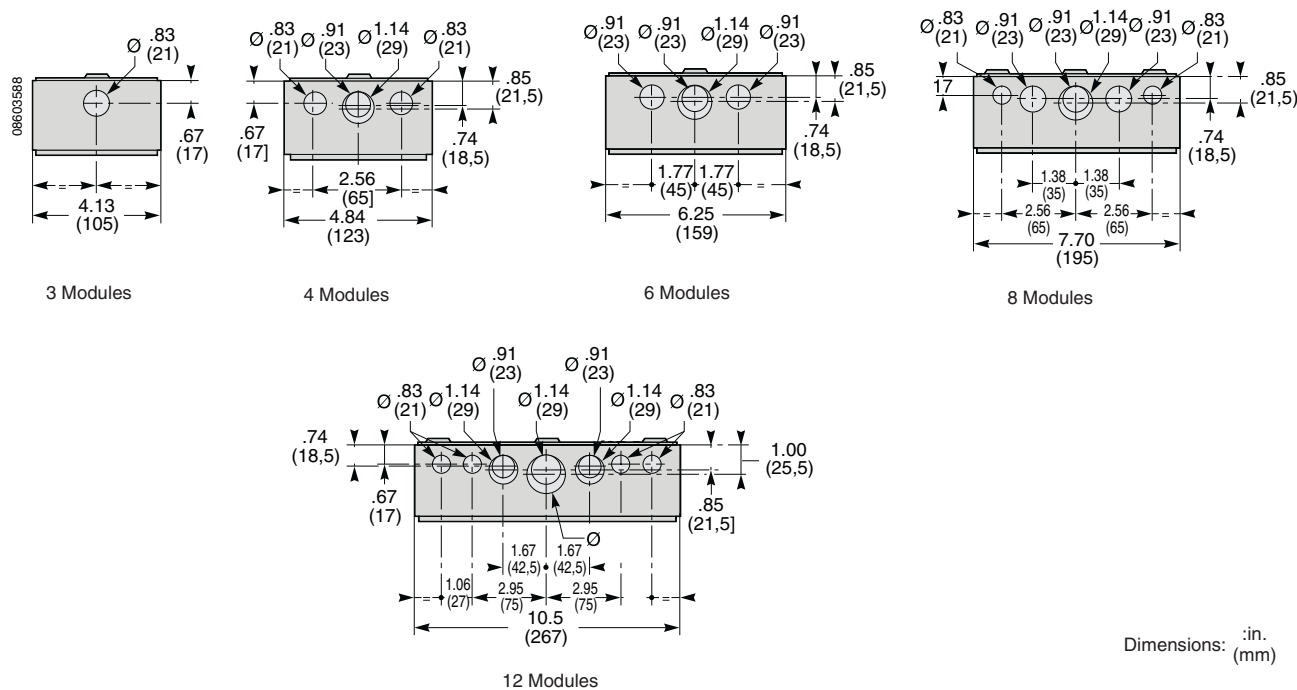


Figure 78: Top View for Kaedra Weatherproof Type Mini Enclosures

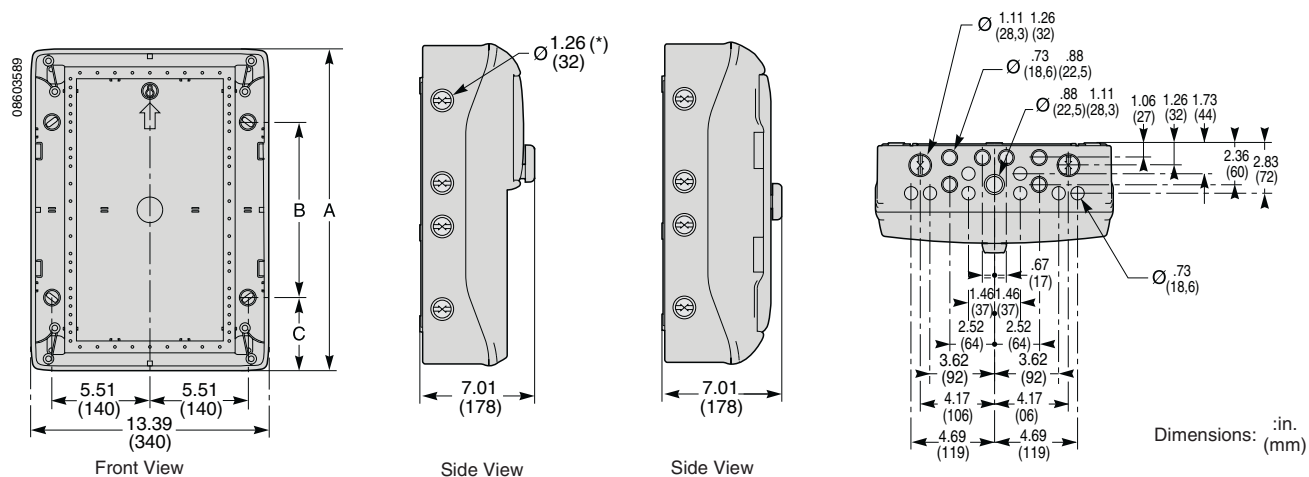


## Kaedra Weatherproof Enclosures

**Table 70: Kaedra Weatherproof Enclosure Dimensions (12 Module)**

| A     |     | B     |     | C    |       | Weight |       | Cat. No. |
|-------|-----|-------|-----|------|-------|--------|-------|----------|
| in    | mm  | in    | mm  | in   | mm    | lbs    | grams |          |
| 11.02 | 280 | 4.65  | 118 | 3.19 | 81    | 4.19   | 1900  | 13962    |
| 18.11 | 460 | 9.88  | 251 | 4.15 | 104.5 | 7.28   | 3300  | 13964    |
| 24.02 | 610 | 15.79 | 401 | 4.15 | 104.5 | 9.04   | 4100  | 13968    |

**Figure 79: Kaedra Weatherproof Type Enclosures (12 Module)**



**Table 71: Kaedra Weatherproof Enclosure Dimensions (18 Module)**

| A     |     | B     |     | C    |       | Weight |       | Cat. No. |
|-------|-----|-------|-----|------|-------|--------|-------|----------|
| in    | mm  | in    | mm  | in   | mm    | lbs    | grams |          |
| 11.02 | 280 | 4.65  | 118 | 3.19 | 81    | 5.29   | 2400  | 13963    |
| 18.11 | 460 | 9.88  | 251 | 4.15 | 104.5 | 9.04   | 4100  | 13965    |
| 24.02 | 610 | 15.79 | 401 | 4.15 | 104.5 | 12.35  | 5600  | 13967    |
| 33.15 | 842 | 24.92 | 633 | 4.15 | 104.5 | 14.55  | 6600  | 13968    |

**Figure 80: Kaedra Weatherproof Type Enclosures (18 Module)**

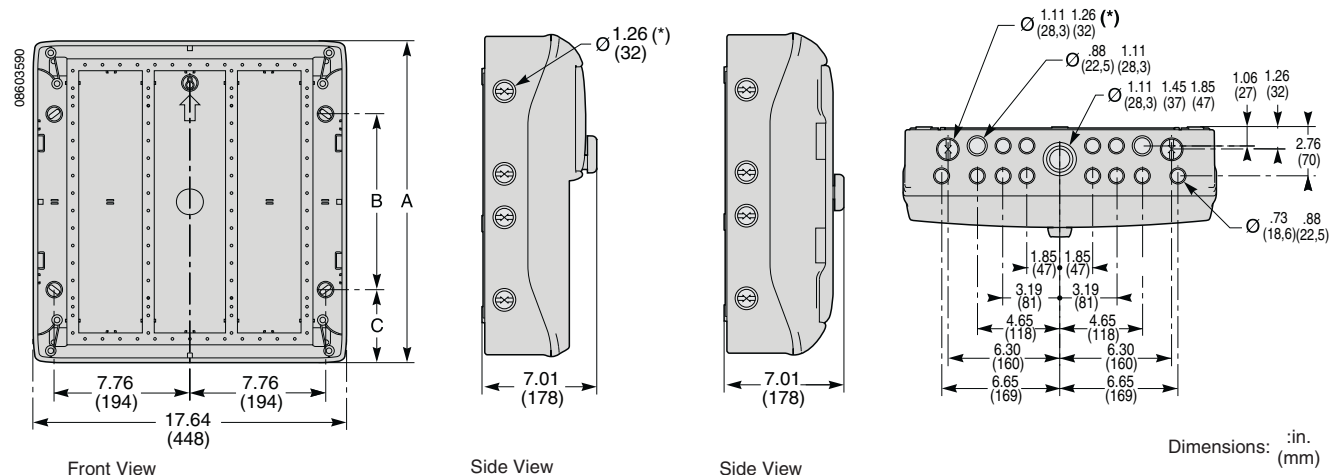


Table 72: Kaedra Cable Glands for Weatherproof Enclosures

| Cable Size  |       | Drilling Diameter |      | Thread Diameter | Pre-Punchout | Cat. No. |
|-------------|-------|-------------------|------|-----------------|--------------|----------|
| in          | mm    | in                | mm   | mm              | mm           |          |
| 0.354–0.433 | 9–11  | 0.740             | 18.8 | 18.6            | PG 11        | 83992    |
| 0.354–0.472 | 9–12  | 0.815             | 20.7 | 20.4            | PG 13.5      | 83993    |
| 0.394–0.512 | 10–13 | 0.898             | 22.8 | 22.5            | PG 16        | 83994    |
| 0.551–0.669 | 14–17 | 1.125             | 28.6 | 28.3            | PG 21        | 83995    |
| 0.748–1.024 | 19–26 | 1.472             | 37.4 | 37              | PG 29        | 83996    |
| 1.102–1.417 | 28–36 | 1.870             | 47.5 | 47              | PG 36        | 83997    |

Figure 81: Kaedra Horizontal Side-by-Side Interconnection References

