PROLINE™ MODULAR ENCLOSURES PRODUCT OVERVIEW

The PROLINE™ Modular Enclosure system is designed to protect electrical and electronic equipment in industrial, local area networking and telecommunications applications. Each enclosure provides full protection from dirt, dust, moisture, oil and other contaminants. Standard versions of PROLINE also shield against electromagnetic and radio frequency interference (EMC).

PROLINE enclosures consist of a rugged frame that protects your equipment from the stresses of movement and shipping. Select from a wide variety of tops, bases, covers, sides and doors to configure a customized solution. After you've selected the external components, the complete PROLINE offering of rack angle, subpanel and grid mounting options allows you to install your equipment securely within the enclosure. Mounting options accommodate rack mount equipment, operator interfaces, industrial control equipment and computer systems, as well as manage wiring and cabling.

Pentair Technical Products manufactures and supports PROLINE worldwide to meet the needs of our global customers.

PROLINE™ MODULAR ENCLOSURES PRODUCT DESCRIPTION

INDUSTRY STANDARDS

Gasketed assembled enclosure

UL 508A Listed; Type 12; File Number E61997
cUL Listed per CSA C22.2 No 94; Type 12; File Number E61997

NEMA/EEMAC Type 12
CSA File Number 42186: Type 12
VDE IP55
IEC 60529, IP55

EMC assembled enclosure

UL 508A Listed; Type 1; File Number E61997
cUL Listed per CSA C22.2 No 94; Type 1; File Number E61997

NEMA/EEMAC Type 1
IEC 60529, IP30

SPECIFICATIONS

- Frames are a single-roll-formed, robotically welded design made of 12 gauge steel with solid steel fully welded corners
- External sides and doors are 16 or 14 gauge steel
- Window doors are fully welded aluminum extrusions
- Standard door bars increase strength and rigidity and provide an extra mounting surface
- Seamless foam-in-place gasket on external accessories provides a water-tight, dust-tight seal against moisture and contaminants
- Latching system assures a solid seal with low closure force
- Integral frame channels support the full weight of the subpanels
- Frames accommodate the 25-mm DIN standard and include rectangular holes for clip nuts and through-holes for use with thread-forming screws

FINISH

See individual product or component descriptions. Light-gray color is RAL 7035 textured polyester powder paint, and black accent color is RAL 9005 textured polyester powder paint.

OPTIONS

Frames

- Frames available with painted or plated finish
- Single- and double-bay frames for maximum flexibility
- Frames can be joined easily to create multi-bay applications
- Frames available specifically for protecting computer systems and operator interface applications

External Components

- Solid doors include standard door bars for additional mounting space and rigidity
- Window doors include safety glass or polycarbonate windows
- Doors accept a variety of aesthetic yet rugged handle options
- Bases include solid, vented, plinth and transportation styles to match your application
- Tops include solid, vented with fans, pagoda with fan, high-performance pagoda with centrifugal blower and top-mounted air conditioners for thermal management
- Solid sides and covers fasten directly to the frame
- Type 304 stainless steel offerings throughout the product line. In addition to the basic steel offering, many external components also are available for medium-level EMC shielding using a metal fabric gasket.

Internal Components

- Subpanels can be mounted in 22-mm increments from front to rear and on the sides
- Swing-out panels extend access from inside to outside the enclosure
- Subpanels in joined enclosures provide a flush surface for easier assembly and wire management
- Rack mounting capabilities include 19 in., 23 in., 24 in. and metric
- Swing-out rack frames allow access to plugs and connectors on back of equipment
- Grid systems support a variety of mounting applications

ORDERING

PROLINE products can be supplied in any of the following ways to best suit your needs:

Customer-Specified Assemblies

Hoffman will ship PROLINE assembled enclosures as part of our Assemble-to-Order (A-T-O) program. Most external and internal components are available and can be installed in customer-specified locations. Items available under the A-T-O program are identified with the A-T-O symbol. Work with your Hoffman Distributor to configure your PROLINE A-T-O enclosure.

Assembled Enclosures

PROLINE enclosures are available preconfigured for computer system (PC) applications, HMI (SY) applications, industrial applications and double-door disconnect (DD) applications. These options allow you to select a complete system that includes the frame, sides, top, base, doors and internal mounting accessories by simply ordering one catalog number.

Individual Parts

If your process is better-suited to receiving individual PROLINE parts and completing the assembly yourself, we can accommodate you. Frames and external components are available for shipment from our warehouse or Distributor stock.