



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Enclosures . . .

. . . for Industry



ROSE+BOPLA

A Phoenix Mecano Company

*We are Dedicated to
Achieving Customer
Satisfaction Through
Continuous
Improvement.*



Rose+Bopla, the enclosure companies of Phoenix Mecano AG, an international corporation based in Switzerland, has developed a broad range of products for industrial applications. The North American operation is located in Frederick, Maryland.

The Rose division manufactures an extensive line of off-the-shelf and custom enclosures,

machine control enclosures and suspension arm systems suited for industrial applications and harsh environments in a variety of materials including: cast and extruded aluminum; stainless steel; compression molded fiberglass and polyamide; and injection molded polycarbonate and ABS plastic.











Bopla produces a diverse line of modular tabletop, instrumentation, hand-held and wall-mountable plastic enclosures designed to meet today's demands for aesthetic electronic packaging.

Rose+Bopla adheres to DIN Standards in the manufacture of high quality components, and we offer a wide variety of added value services for customizing our products. At our Maryland facility in the US we operate a machine shop for modifying and building product, complete with CNC Machining Centers, powder coat and wet painting operations, as well as silk screening, engraving, and assembly services. In addition, our engineering personnel are available to assist in the design or customization of your product. We employ advanced manufacturing techniques and strict quality control methods. Meticulous internal controls built into our Quality system ensure that every Rose+Bopla enclosure meets critical quality standards. Our workmanship is unsurpassed in the industry.

**Let Rose+Bopla be your partner for
standard or customized enclosures.**

We have attempted to present the information about our enclosures in this catalog in a straight-forward manner. We offer this information as accurate at the time of publication. Specifications are subject to change without notice. Rose+Bopla is not responsible for inadvertent errors.

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Phoenix Mecano Inc. is ISO 9001:2000 Certified.

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Choosing an Enclosure

GENERAL CONSIDERATIONS

Generally, enclosures are intended to protect their contents from outside risks. These risks can be varied in nature and are of extreme importance when choosing an enclosure. In judging whether a particular housing meets the protection requirements of your application, a clear analysis of the environment where the enclosure is to be used should be made.

The following conditions need to be taken into account:

1. Protection against contact with and penetration by foreign bodies;
2. Protection against water ingress;
3. Protection against external or internal radiated noise (RFI Shielding);
4. Chemical resistance;
5. Temperature resistance;
6. Impact resistance;
7. Corrosion resistance.

In electronics/electrical engineering, the functions of enclosures are two-fold:

1. To protect the contents from mechanical risks and radiated noise from the outside.
2. To protect the environment from mechanical and electrical risks, as well as from radiated noise caused by installed components.

With the ever-increasing development of electronic components, the increased packing densities on printed circuit boards, and the increased "contamination" of the environment by electromagnetic interference, electromagnetic compatibility is becoming an issue of growing importance in the choice of an enclosure.

MATERIAL CONSIDERATIONS

In most applications, material is a major factor in your choice of an enclosure. In general, aluminum is ideal for EMI/RFI applications; fiberglass is ideal for caustic environments and salt-water applications; polycarbonate is good for all indoor and light outdoor applications; and ABS is well suited for indoor instrumentation designs.

PROTECTION CLASSIFICATIONS

Rose+Bopla enclosures are classified under the generally applicable European protection guidelines of EN 60529 and IEC 144. These protection classifications are indicated by a designation consisting of two unchanging letters, IP, plus two digits for the protection grade. Many of the enclosures in this catalog bear the IP 66 or IP 65 protection classification.

IP 65: Protection against ingress by dust and water jets

IP 66: Protection against ingress by dust and powerful water jets

Specific product lines are classified according to UL 50 and UL 508. These include aluminum, fiberglass, and plastic. Also noted in this catalog are recommended classification types like NEMA and UL, which are commonly used in the USA. Please contact the appropriate association or agency for complete information regarding test requirements and qualifications. Refer to the Technical Information Chapter in this catalog for more information on Protection Classifications.

TEMPERATURE RESISTANCE

The temperature resistance of enclosures is defined as the maximum permanent temperature at which the stability of the shape and the protection classification are maintained. Permissible short-term peak temperatures are often considerably higher.

CORROSION RESISTANCE OF ALUMINUM ENCLOSURES

Aluminum enclosures are resistant to corrosion even without a special surface treatment. The use of aluminum alloys with a low copper content increases corrosion resistance. Additional treatments such as irriditing, painting, powder-coating, or a combination of irriditing and painting provide increased corrosion resistance.

IMPACT RESISTANCE

Impact resistance is a measurement of the maximum impact that will not affect the protection classification. The breaking strength is often far greater. Impact resistance for Rose+Bopla enclosures is determined in an impact test to EN 50014.

Enclosure Comparison Chart

	Metal	Plastic	Watertight	Indoor	Outdoor	Industrial	Hazardous Areas	Operator Areas	Wall Mount	Display	Control Panel	Membrane	Terminal	Cabinet	Handheld	Desktop	Console
Aluminum Watertight 01	•		•	•	•	•		•				•					
Aluform	•		•	•	•	•		•			•	•					
Stainless Steel Watertight 37	•		•	•	•	•		•				•					
Fiberglass Watertight 02		•	•	•	•	•		•				•					
Polymas Watertight PK		•	•	•	•	•		•				•					
Polycarbonate 03		•	•	•	•	•		•				•					
Polycarbonate 33		•	•	•	•	•		•				•					
Polycarbonate EM		•	•	•	•	•		•	•		•	•					
ABS Watertight 09		•	•	•	•	•		•				•					
ABS Watertight ET		•	•	•	•	•		•	•		•	•					
Aluminum Ex	•		•	•	•	•	•	•				•					
Polyglas® Ex		•	•	•	•	•	•	•				•					
Okta-Box Ex		•	•	•	•	•	•	•				•					
Stainless Steel Ex	•		•	•	•	•	•	•				•					
Fiberglass Modular Flange		•	•	•	•	•		•				•					
Polycarbonate Modular Flange		•	•	•	•	•		•				•					
Element		•		•				•						•	•		
Executive		•		•				•	•		•			•	•	•	
ECO/PCI Compact		•	•	•		•		•				•					
Build-A-Box	•		•	•	•	•		•							•		
ANG Panel Meter Housings	•	•	•	•	•	•		•	•	•	•						
Alubos	•		•	•	•	•		•	•		•			•		•	
TG Handheld Series		•		•					•		•			•			
BG Handheld Series		•	•	•	•	•	•	•			•			•			
Tastomat		•	•	•	•	•	•	•	•		•			•	•		
Pilot 250		•	•	•	•	•	•	•	•		•			•			
Mobile Control Units		•	•	•	•	•	•	•	•		•			•			
Arteb		•	•	•			•		•		•			•			
Databoss		•		•					•		•			•			
Limanda		•	•	•	•	•	•		•		•			•			
CombiCard		•	•	•		•		•	•	•	•	•			•		
CombiSet		•	•	•		•		•	•	•		•					
Intercard		•	•	•				•				•					
RCP Housings		•	•	•	•	•		•			•	•					
CombiBac	•	•	•	•		•		•	•			•					
Ultramas		•		•				•							•	•	
1300 Machine Control Enclosures	•		•	•		•	•	•	•	•	•	•					
5400 Machine Control Enclosures	•		•	•		•	•		•	•							
Slim Line 2000	•		•	•		•	•	•	•	•						•	
Rose Suspension Arm System	•		•	•		•		•									
4925 Support System	•			•		•		•									
8850 Support System	•			•		•		•									
NGS Panel Meter Housings		•		•				•	•	•	•						
Fiberglass Watertight Cabinets		•	•	•	•	•		•				•	•				
ABS Watertight Mini Cabinets		•	•	•		•		•				•	•				
Mini Console Housings		•		•				•			•				•	•	
BP 810 & BP 900 F Housings		•		•							•				•	•	
Futura Sloped Housings		•		•					•		•			•	•	•	
Profitronic 19	•		•	•	•	•		•	•			•			•		
Profitronic 19 Universal	•		•	•	•	•		•	•			•			•		

Secondary Services

IRRIDITING/ CHROMATING/ ANODIZING

For greater chemical resistance to corrosion in aluminum housings, consider using a chemical treatment process like irriditing, chromating, or anodizing. Subsequent priming and painting give lasting protection from corrosive attacks. Anodizing is available in black, or clear as standard.



RFI/EMC SHIELDING

RFI spray on plastic and fiberglass housings offers protection for your design against adverse interference or radiation. We can also install RFI gaskets, on request.



PAINTING POWDER/COATING

We routinely paint to customer requirements in smooth or textured finishes, using Federal Standard 595A colors, RAL colors, or other special colors.



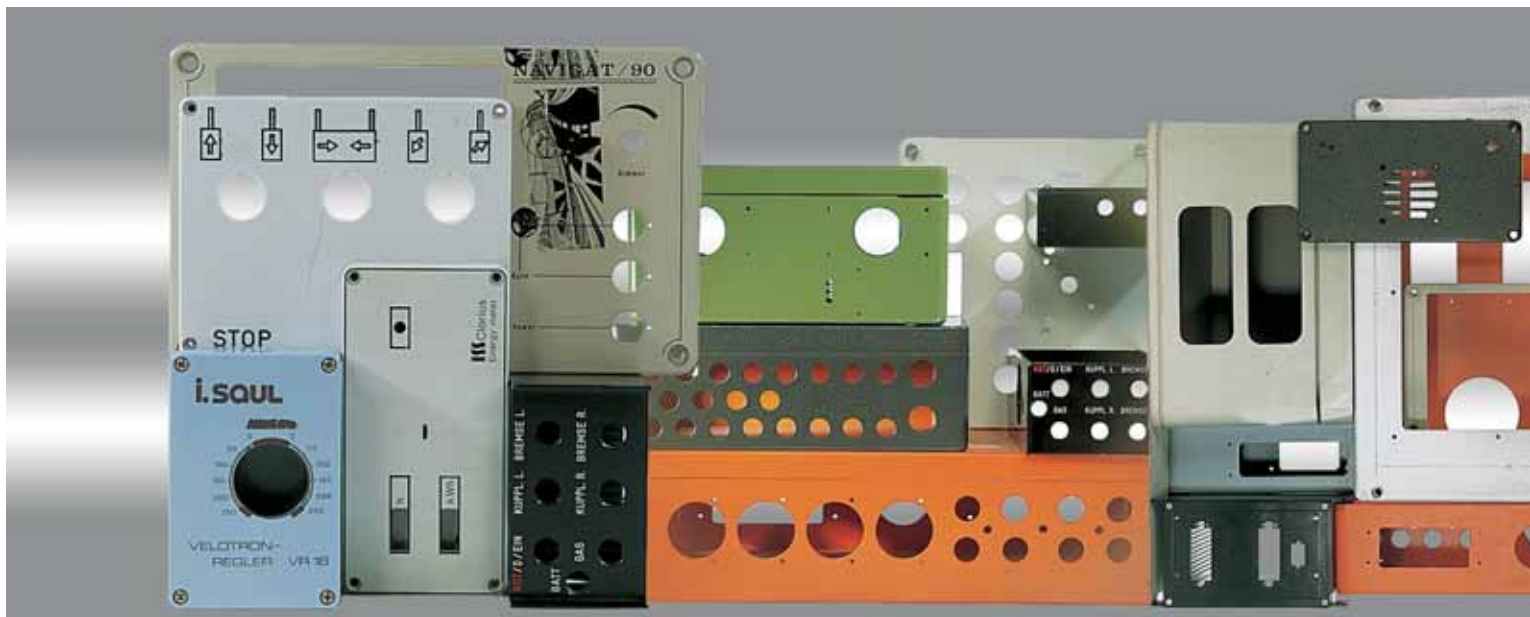
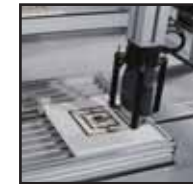
SCREEN PRINTING

Using the screen print process, we are able to print your data on all housings and front plates. Silk-screen inks are available in several colors and are resistant to most solvents. Rose+Bopla creates screens in-house and can provide artwork services, if required.



ENGRAVING

Rose+Bopla offers engraving services using any alphabet or outline. Engraving is performed in-house by computer controlled machines.



Secondary Services

DRILLING

We can drill holes through all housings in tolerances to 0.002 of an inch.



TAPPING

Using NPT, Metric, or PG taps, we can thread holes in your housings to your specifications, on request.



MILLING

Our CNC processing center enables us to carry out difficult machining work to tight tolerances. The program for your job will be stored ensuring that future orders can be repeated with the same accuracy and quality.



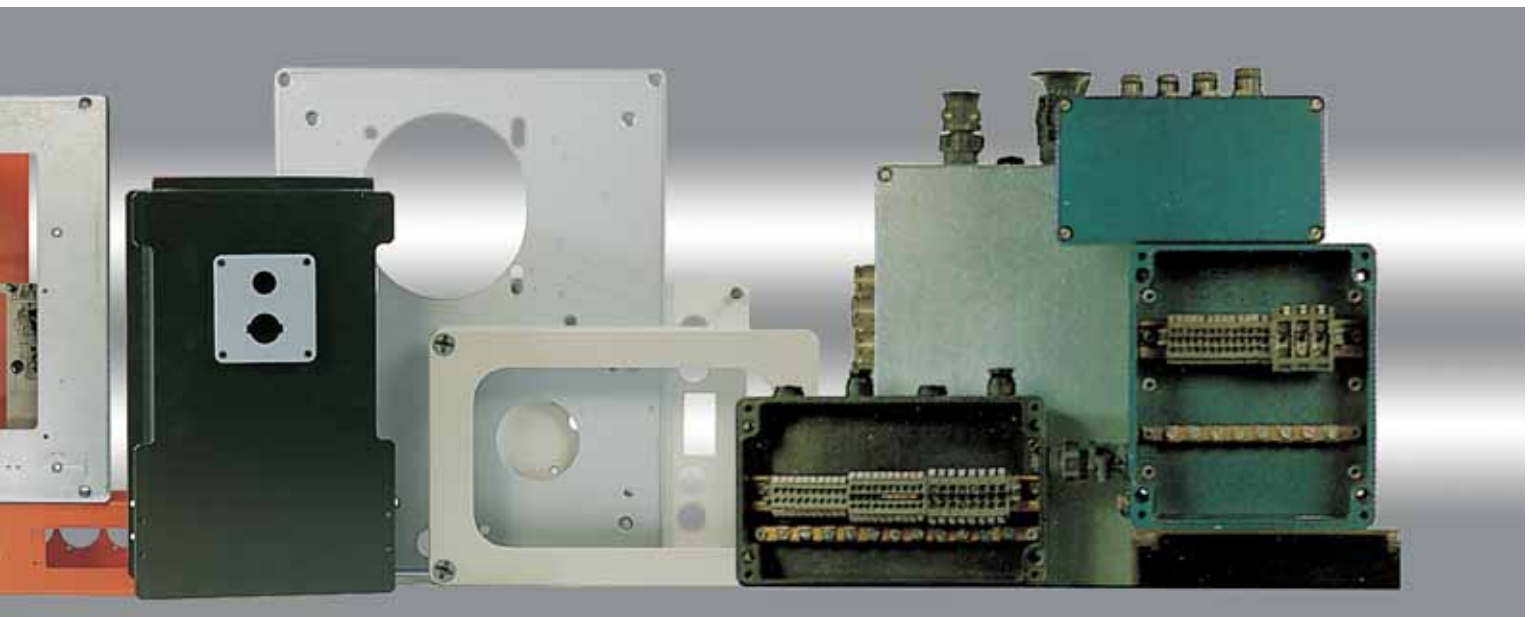
ASSEMBLY

On request, we install accessories such as cable grips, conduit hubs, terminal blocks, DIN Rail assemblies, wiring, hinges, optional gaskets, and customer components into your housings.



PANEL WORK

Rose+Bopla fabricates panels using various thicknesses of plate aluminum and plastic material, as well as screen printing information on panels..all to your specifications.



Terms and Conditions

This is an overview of our Terms and Conditions. A full written version is available on request. Terms and Conditions are subject to change without notice

CATALOG LISTINGS

Most products listed in this catalog are available, at our stocking location in Frederick, Maryland. On occasion slow moving items may have to be brought in from our sister company in Germany. All specifications and descriptions are current, as of the time of publication. Product listings, specifications, availability, and pricing are subject to change without notice. Detailed drawings are available on the internet and directly from the company on request.

PRODUCT WARRANTY

Phoenix Mecano Inc. warrants all its products to be free from defects in materials and workmanship. Phoenix Mecano's liability under this warranty shall be limited to ninety days after delivery of the product to the original purchaser. Disputed product must be returned to Phoenix Mecano with prepaid transportation charges. After examination by Phoenix Mecano, should the product be found to be defective we will repair or replace it from our factory. Any defect is to be determined by accepted testing methods at Phoenix Mecano Inc. Any returned product found to be defective would become the property of Phoenix Mecano, Inc.

Phoenix Mecano Inc. shall not be liable to the purchaser for the cost of repairs, alterations, replacement, or any other expenses (including loss of profits, additional labor costs, or injury to persons or property caused by defective material or parts) incurred by the purchaser, their employees, or agents. One exception would be where Phoenix Mecano had previously authorized such repairs, alterations, or consequential damages.

This warranty shall not apply to products, which have been altered or repaired, except by Phoenix Mecano, Inc., or which have been subjected to misuse, negligence, or accident, including the use or operation of the products while parts are loose, broken, out of order, or damaged by the elements.

This warranty supersedes all other warranties, expressed or implied, including any implied warranty of merchantability, and of all other obligations or liability on the part of Phoenix Mecano, Inc.

PRICING

Rose+Bopla offers standard OEM pricing based on quantity price breaks. For pricing information please contact the Rose+Bopla sales staff or your local distributor. Prices are subject to change without notice.

RETURNS

Submit your drawings for pricing information on our secondary services, such as, CNC machining, painting, EMC/RFI spray shielding, silk-screening, chemical coating, and engraving...just to mention a few of the customizing services we offer.

1. All returns must be accompanied by an RMA (return merchandise authorization). Please call your inside salesperson for an RMA number. Invoice or Packing Slip number must accompany return.
 2. All returns due to customer error must be made within 30 days from the date of the invoice.
 3. Warranty returns must be made within 90 days from the date of the invoice.
 4. All returned product must be in resalable condition and in the original carton.
 5. Off-the-shelf parts, returned due to customer error, are subject to a minimum 15% restocking charge.
 6. Defective merchandise returns are evaluated on an individual basis.
 7. Parts that have been modified and special order items are not returnable.
-

METHODS OF PAYMENT

Rose+Bopla has four methods of payment; Net 30 day credit, C.O.D, credit card and pre-payment.

Terms and Conditions

<i>NET 30 ACCOUNTS</i>	Net 30-account status is generally granted to qualified customers with appropriate credit and banking references. Terms of payment are net 30 days. Past due accounts are subject to late payment charge of 1½% per month.
<i>C.O.D. ACCOUNTS</i>	C.O.D. orders for product that has value added operations performed by Rose+Bopla require 50% down payment at time of order. The balance will be collected at time of shipment.
<i>CREDIT CARD ACCOUNTS</i>	Rose+Bopla accepts American Express, Discover, Master Card, Visa, or electronic funds transfers.
<i>PREPAYMENTS</i>	Payments can be made electronically directly to our bank account. Please contact an Accounts Receivable representative for our banking information.
<i>TO OPEN A NEW ACCOUNT</i>	To open a new account, please complete the credit application form in the back of this catalog. Fill out all references for credit contact. Names, addresses and telephone numbers will speed processing of your application. Rose+Bopla must have the credit application filled out in writing and signed BY CUSTOMER ONLY. Applications may be mailed or faxed (301-696-9493) to our Accounting Department in order to process a credit request. Please allow sufficient processing time.
<i>SALES TAX</i>	We are required by law to charge and collect Maryland sales tax. If you wish to avoid being charged state sales tax, you must submit a state sales tax exemption certificate annually to Rose+Bopla. Sales tax will always be charged unless otherwise indicated.
<i>MINIMUM ORDER</i>	All orders are subject to a minimum order value of \$100.00
<i>SHIPMENT DAMAGE</i>	Our products are inspected and carefully packed for shipment. In the event an item is damaged in shipment, you must submit a claim to the carrier within 15 days of delivery. We advise that you unpack and inspect all merchandise immediately upon receiving it. If damage does not become apparent until the shipment is unpacked, keep the shipping carton and make a request within 72 hours for inspection by the carrier's agent and file a claim with the carrier. Any external evidence of loss or damage must be noted on the freight bill. Failure to do this will result in the carrier refusing to honor the claim. Rose+Bopla will not be responsible for shipment damage or lost parts due to such damage.
<i>DELIVERY</i>	Items are shipped F.O.B. Frederick, Maryland. All orders are shipped UPS unless the weight prohibits shipment by this method. On heavier shipments we will attempt to ship by the carrier of your choice.
<i>SAME DAY SHIPMENT</i>	All orders to be shipped Air and received by 4 p.m. EST are shipped the same day. All UPS shipments are prepaid and charges added to the invoice, unless otherwise requested.
<i>LARGE ITEMS AND SPECIAL HANDLING</i>	For heavy shipments, common carrier truck is the most economical. Charges are F.O.B. shipping point and the product is shipped freight prepaid and charges are added to your invoice, unless otherwise requested.
<i>BLANKET ORDERS</i>	<ol style="list-style-type: none">1. A "Blanket Purchase Order" is an agreement between two parties, "Seller/Buyer" to purchase a specific quantity of products over a specified period of time "Not to Exceed 12 Months".2. Blanket Orders cannot be changed or canceled without 90-day advance written notice. Customer will be responsible for all parts manufactured for shipment within this 90-day period.3. Blanket Orders canceled for standard enclosures will result in customer being billed back for the difference between the price break of quantity received, versus total quantity ordered.4. Blanket Orders for modified or special order products must state Non-cancelable/Non-returnable on the Purchase Order.5. All Blanket Orders must have firm ship dates stated on the Purchase Order for every release.

Drawings & Design Information

DESIGNING WITH ROSE+BOPLA Rose+Bopla offers the engineer faced with packaging requirements an enormous advantage in finding a solution. Electronic products need enclosures. Our ability to deliver off-the-shelf enclosures makes Rose+Bopla one of the most important partners an engineer could ask for when bringing a product to market. We offer both electrical and electronic enclosures and have one of the widest ranges of standard off-the-shelf enclosures in the industry. Rose+Bopla also offers years of expertise in machining and other value added services, as well as technical support from an experienced technical sales force. Rose+Bopla also guarantees all secondary services and machining 100%, thereby eliminating scrap and additional costs.

The benefits of designing with Rose+Bopla enclosures are: cost savings, elimination of custom tool/molding expense, a large off-the-shelf inventory, no scrap, machining expertise and over 30 years experience in enclosure manufacturing. Take advantage of our experience and reduce your frustrations from dealing with multiple vendors. Rose+Bopla can offer you a turnkey solution that is 100% guaranteed.

DRAWINGS Rose+Bopla recognizes that dimensional information is very important to our customers. Therefore, we have taken advantage of other media channels to provide more comprehensive drawing information. For more detailed dimensional information, or for CAD drawings:

1. Contact our inside Rose+Bopla sales staff by telephone at 301-696-9800.
2. Download drawing(s) from our website at www.rose-bopla.com. All product drawings are not available on the website. Our internal sales staff has access to a larger library of drawings. Please feel free to call us if you do not find the product drawing you need.
3. Request that the drawing(s) be sent to you via e-mail, by contacting us by phone, 301-696-9800, or fax us at 301-696-9494.

CUSTOM DESIGNS Rose+Bopla not only supplies empty standard enclosures, but can also provide and deliver custom designs. We have skilled technical support personnel in-house that will work with your engineering staff on a custom enclosure design for your next product. By means of direct communications with you, the customer, we can create an individual solution to fit your precise requirements.

SPECIAL MATERIALS Rose+Bopla can injection-mold most plastic enclosures in special colors and/or special materials. Minimum quantities for special injection runs range from 500 to 1,000 units depending on the enclosure. For special colors, please send us a sample of the color you would like to match. Rose+Bopla cannot guarantee an exact color match. If you need a special material for improved flame retardancy, impact resistance, chemical resistance, etc., let us know specifically what specifications you need to meet. We will suggest a material suitable for use in our molds that meets your requirements.

The universal design of ROSE industrial enclosures made from Aluminum, Fiberglass, Stainless Steel, Polycarbonate, ABS, and Polystyrene is the basis of their versatility.

They are designed to accommodate mechanical parts as well as electrical and electronic components. Apart from standard versions, flange enclosures are also available in Aluminum, Fiberglass, and Polycarbonate.



Aluform Aluminum Enclosure

- 14 enclosure sizes from 80 x 80 x 80 mm to 200 x 280 x 70mm
- Application area: its elegant design makes it ideal for use in areas where the visual impression is important.

Standard Aluminum Enclosures / Aluminum Flange Enclosures

- 48 enclosure sizes from 45 x 50 x 30 mm to 600 x 600 x 200 mm
- Application area: standard industrial enclosures

Standard Fiberglass Enclosures

- 26 enclosure sizes from 55 x 55 x 37 mm to 405 x 400 x 120 mm
- Application area: standard industrial enclosures

Fiberglass Flange Enclosures

- 6 enclosure sizes from 170 x 270 x 135 mm to 270 x 540 x 150 mm with two flange openings
- Application area: fieldbus and installation enclosures

Standard Polycarbonate/ABS Enclosures

- 25 enclosure sizes from 50 x 52 x 35 mm to 360 x 400 x 150 mm
- Application area: standard installation enclosures

Polycarbonate Flange Enclosures

- 6 enclosure sizes from 134 x 170 x 130 mm to 369 x 440 x 130 mm with 2 to 6 flange openings
- Application area: standard installation enclosures

ECO/PCI Compact Enclosures

- 47 enclosure sizes from 65 x 65 x 57 mm to 254 x 355 x 165 mm

GRP 3040/4060 Fiberglass Cabinets

- 5 enclosure sizes from 300 x 400 x 200 mm to 400 x 600 x 250 mm
- Application area: robust universal cabinet with hinged lid

GFK Fiberglass/ABS Mini Cabinets

- 4 enclosure sizes from 199 x 248.5 x 149 mm to 250 x 300 x 170 mm
- Application area: universal cabinet with hinged lid for measurement/control technology

GRP Fiberglass Mini Cabinets

- 6 enclosure sizes from 120 x 200 x 100 mm to 200 x 300 x 170 mm
- Application area: robust mini-cabinets with hinged lid for measurement/control technology

Aluform, Painted



- Aluminum enclosure system for automation engineering
- Lid designed for membrane keypads and overlays
- Rectangular dome sequence in cover and base

Included in delivery

Aluminum enclosure consisting of lid, base, captive stainless steel lid screws, and removable polyurethane gasket



Technical Data

Material	Al Si 12, DIN 1725
Ingress Protection	IP 66 to EN 60529
Impact Resistance	>7 Nm, EN 50014
Temperature Resistance	Polyurethane seal: -40°F to +194°F Neoprene seal: -40°F to +212°F Silicone seal: -76°F to +266°F RFI gasket: -40°F to +392°F
Painting	Powdercoating
Color	Agate gray, similar to RAL 7038, special colors on request

Part Number	Dimensions	Dimensions	TS		Mounting	External	External	EMC	Corrosion	Allen lid
	mm	Inches	DIN rails for terminals							
	W x L x H	W x L x H	TS 15	TS 35	Plate ¹⁾	pair	hinges, pair ³⁾			
04080808 00	80 x 80 x 80	3.15 x 3.15 x 3.15	•	•	•	•	•	•	•	•
04081208 00	80 x 120 x 80	4.72 x 3.15 x 3.19	•	•	•	•	•	•	•	•
04101006 00	100 x 100 x 60	3.94 x 3.94 x 2.40	•	•	•	•	•	•	•	•
04101606 00	100 x 160 x 60	3.94 x 6.30 x 2.40	•	•	•	•	•	•	•	•
04102006 00	100 x 200 x 60	3.94 x 7.87 x 2.40	•	•	•	•	•	•	•	•
04121208 00	120 x 120 x 80	4.72 x 4.72 x 3.19	•	•	•	•	•	•	•	•
04121608 00	120 x 160 x 80	6.30 x 4.72 x 3.19	•	•	•	•	•	•	•	•
04141407 00	140 x 140 x 70	5.51 x 5.51 x 2.80	•	•	•	•	•	•	•	•
04141807 00	140 x 180 x 70	5.51 x 7.09 x 2.80	•	•	•	•	•	•	•	•
04142207 00	140 x 220 x 70	5.51 x 8.66 x 2.80	•	•	•	•	•	•	•	•
04161608 00	160 x 160 x 80	6.30 x 6.30 x 3.19	•	•	•	•	•	•	•	•
04162408 00	160 x 240 x 80	9.45 x 6.30 x 3.19	•	•	•	•	•	•	•	•
04202007 00	200 x 200 x 70	7.87 x 7.87 x 2.80	•	•	•	•	•	•	•	•
04202807 00	200 x 280 x 70	7.87 x 11.02 x 2.80	•	•	•	•	•	•	•	•

¹⁾ Phenolic

²⁾ Stainless steel

³⁾ Cast aluminum

Note: Dimensions are external. Metric is the primary dimension. Inch conversions are for the user's convenience and are for reference only.

Accessories

External brackets, pair for 0408	04000080 00
External brackets, pair for 0410	04000001 00
External brackets, pair for 0412	04002001 00
External brackets, pair for 0414	04004001 00
External brackets, pair for 0416	04006001 00
External brackets, pair for 0420	04000002 00
Console holder for wall or table mounting 98 mm wide, for type 0410	04300009 00
Console holder for wall or table mounting 138 mm wide, for type 0414	04300014 00
External hinges, pair, painted	04000010 00

Aluform, Unpainted



- Aluminum enclosure system for automation engineering
- Lid designed for membrane keypads and overlays
- Rectangular dome sequence in cover and base

Included in delivery

Aluminum enclosure consisting of lid, base, captive stainless steel lid screws, and removable polyurethane gasket



Technical Data

Material	Al Si 12, DIN 1725
Ingress Protection	IP 66 to EN 60529
Impact Resistance	>7 Nm, EN 50014
Temperature Resistance	Polyurethane seal: -40°F to +194°F Neoprene seal: -40°F to +212°F Silicone seal: -76°F to +266°F RFI gasket: -40°F to +392°F
Painting	Powdercoating
Color	Agate gray, similar to RAL 7038, special colors on request

Part Number	Dimensions		TS		Mounting	External	External	EMC	Corrosion	Allen lid
	mm	Inches	DIN rails for terminals							
	W x L x H	W x L x H	TS 15	TS 35						
04080808 85	80 x 80 x 80	3.15 x 3.15 x 3.15	•	•	•	•	•	•	•	•
04081208 85	80 x 120 x 80	4.72 x 3.15 x 3.19	•	•	•	•	•	•	•	•
04101006 85	100 x 100 x 60	3.94 x 3.94 x 2.40	•	•	•	•	•	•	•	•
04101606 85	100 x 160 x 60	3.94 x 6.30 x 2.40	•	•	•	•	•	•	•	•
04102006 85	100 x 200 x 60	3.94 x 7.87 x 2.40	•	•	•	•	•	•	•	•
04121208 85	120 x 120 x 80	4.72 x 4.72 x 3.19	•	•	•	•	•	•	•	•
04121608 85	120 x 160 x 80	6.30 x 4.72 x 3.19	•	•	•	•	•	•	•	•
04141407 85	140 x 140 x 70	5.51 x 5.51 x 2.80	•	•	•	•	•	•	•	•
04141807 85	140 x 180 x 70	5.51 x 7.09 x 2.80	•	•	•	•	•	•	•	•
04142207 85	140 x 220 x 70	5.51 x 8.66 x 2.80	•	•	•	•	•	•	•	•
04161608 85	160 x 160 x 80	6.30 x 6.30 x 3.19	•	•	•	•	•	•	•	•
04162408 85	160 x 240 x 80	9.45 x 6.30 x 3.19	•	•	•	•	•	•	•	•
04202007 85	200 x 200 x 70	7.87 x 7.87 x 2.80	•	•	•	•	•	•	•	•
04202807 85	200 x 280 x 70	7.87 x 11.02 x 2.80	•	•	•	•	•	•	•	•

¹⁾ Phenolic

²⁾ Stainless steel

³⁾ Cast aluminum

Note: Dimensions are external. Metric is the primary dimension. Inch conversions are for the user's convenience and are for reference only.

Accessories (Painted)

External brackets, pair for 0408	04000080 00
External brackets, pair for 0410	04000001 00
External brackets, pair for 0412	04002001 00
External brackets, pair for 0414	04004001 00
External brackets, pair for 0416	04006001 00
External brackets, pair for 0420	04000002 00
Console holder for wall or table mounting 98 mm wide, for type 0410	04300009 00
Console holder for wall or table mounting 138 mm wide, for type 0414	04300014 00
External hinges, pair, unpainted	04000010 85

Standard & Flange Aluminum Enclosures, Painted



- Robust aluminum enclosure for mechanical and automation engineering
- Standard enclosures prepared for acceptance of DIN rail and mounting plates
- Flange enclosures with 4, 6, or 8 flange openings

Included in delivery

Aluminum diecast enclosure consisting of lid with seal and captive stainless steel screws; base with 2 or 4 ground screws; flange enclosures with flange openings (please order flange plates separately).



UL 508

UL 50

Technical Data

Material	Al Si 12, DIN 1725
Ingress Protection	IP 66 to EN 60529. Flange: IP 65 EN 60526
Impact Resistance	>7 Nm, EN 50014
Temperature Resistance	Neoprene gasket: -40°F to +212°F Silicone gasket: -76°F to +266°F RFI gasket: -40°F to +392°F Polyurethane -40°F to +194°F
Painting	Powdercoating
Color	Silver gray, similar to RAL 7001, special colors on request

Part Number	Dimensions mm W x L x H	Dimensions Inches W x L x H	Part Number	Dimensions mm W x L x H	Dimensions Inches W x L x H	Part Number	Dimensions mm W x L x H	Dimensions Inches W x L x H
Standard enclosures								
01050503 00	45 x 50 x 30	1.77 x .97 x .45	01122208 00	120 x 220 x 80	4.72 x 8.66 x 3.19	01232018 00	230 x 200 x 180	9.13 x 7.95 x 7.09
01060603 00	64 x 58 x 34	2.52 x 2.28 x 1.34	01122209 00	120 x 220 x 90	4.72 x 8.66 x 3.58	01232811 00	230 x 280 x 110	9.06 x 11.02 x 4.37
01061003 00	64 x 98 x 34	3.86 x 2.52 x 1.34	01122212 00	120 x 220 x 120	4.72 x 14.17 x 3.19	01233311 00	230 x 330 x 110	9.06 x 12.99 x 4.37
01061503 00	64 x 150 x 34	2.52 x 5.91 x 1.34	01123608 00	120 x 360 x 80	5.51 x 5.51 x 3.58	01233318 00	230 x 330 x 180	9.06 x 12.99 x 7.13
01061903 00	64 x 185 x 34	2.52 x 7.28 x 1.34	01141409 00	140 x 140 x 90	5.51 x 7.87 x 3.58	01234011 00	230 x 400 x 110	9.06 x 15.75 x 4.37
01080806 00	80 x 75 x 57	3.15 x 2.95 x 2.24	01142009 00	140 x 200 x 90	5.51 x 7.87 x 3.58	01234023 00	230 x 400 x 224	9.06 x 15.75 x 8.86
01081306 00	80 x 125 x 57	3.15 x 4.92 x 2.24	01161609 00	160 x 160 x 90	6.30 x 6.30 x 3.58	01236011 00	230 x 600 x 110	9.06 x 23.62 x 4.37
01081806 00	80 x 175 x 57	3.15 x 6.89 x 2.24	01162609 00	160 x 260 x 90	6.30 x 10.24 x 3.58	01314011 00	310 x 400 x 110	12.32 x 15.91 x 4.37
01082505 00	80 x 250 x 52	3.15 x 9.84 x 2.05	01163609 00	160 x 360 x 90	6.30 x 14.17 x 3.58	01314014 00	310 x 400 x 140	12.32 x 15.91 x 5.55
01101008 00	100 x 100 x 80	3.94 x 3.94 x 3.19	01165609 00	160 x 560 x 90	6.30 x 22.05 x 3.58	01314018 00	310 x 400 x 180	12.32 x 15.91 x 7.13
01101608 00	100 x 160 x 80	3.94 x 6.30 x 3.19	01181810 00	180 x 180 x 100	7.09 x 7.09 x 3.98	01314023 00	310 x 400 x 226	12.32 x 15.91 x 8.94
01102008 00	100 x 200 x 80	3.94 x 7.87 x 3.19	01182810 00	180 x 280 x 100	11.02 x 7.09 x 3.98	01316011 00	310 x 600 x 110	12.20 x 23.62 x 4.37
01121208 00	120 x 122 x 80	4.72 x 4.80 x 3.19	01231011 00	100 x 230 x 110	3.94 x 9.06 x 4.33	01316018 00	310 x 600 x 180	12.20 x 23.62 x 7.13
01121209 00	120 x 122 x 90	4.72 x 4.80 x 3.58	01232011 00	230 x 200 x 110	9.13 x 7.95 x 4.37	01606020 00	600 x 600 x 200	23.62 x 23.62 x 7.95
Flange Enclosures			Flange openings					
11232011 00	230 x 200 x 110	9.05 x 7.78 x 4.33	4					
11232811 00	230 x 280 x 110	9.05 x 11.02 x 4.33	4					
11234011 00	230 x 400 x 110	9.05 x 15.75 x 4.33	6					
11236011 00	230 x 600 x 110	9.05 x 23.62 x 4.33	8					
Aluminum Watertight Enclosures With External Mounting Flange								
01061200 00	64 x 115 x 34.5	2.52 x 4.53 x 1.36						
01061900 00	64 x 186 x 34.5	2.52 x 7.32 x 1.36						

Note: Dimensions are external. Metric is the primary dimension. Inch conversions are for the user's convenience and are for reference only.

Accessories

Part Number	TS DIN rails for terminals	Mounting plate thickness in mm	External brackets pair set ¹⁾	External aluminum hinges, pair ³⁾	Hinges inside pair ²⁾	Corrosion resistant	Allen lid screws ²⁾	Silicon lid seal up to +266° F	Lead-sealable steel lid screws
	TS 15								
	TS 35 ⁵⁾								
Standard Enclosures									
01050503 00					•	•	•		
01060603 00					•	•	•	•	
01061003 00					•	•	•	•	
01061503 00					•	•	•	•	
01061903 00					•	•	•	•	
01080806 00	•	1.5			•	•	•	•	
01081306 00	•	1.5			•	•	•	•	
01081806 00	•	1.5			•	•	•	•	
01082505 00	•	1.5			•	•	•	•	
01101008 00	•	1.5	•	•	•	•	•	•	•
01101608 00	•	1.5	•	•	•	•	•	•	•
01102008 00	•	1.5	•	•	•	•	•	•	•
01121208 00	•	1.5	•	•	•	•	•	•	•
01121209 00	•	1.5	•	•	•	•	•	•	•
01122208 00	•	1.5	•	•	•	•	•	•	•
01122209 00	•	1.5	•	•	•	•	•	•	•
0112221200	•	1.5	•	•	•	•	•	•	•
01123608 00	•	1.5	•	•	•	•	•	•	•
01141409 00	•	1.5	•	•	•	•	•	•	•
01142009 00	•	1.5	•	•	•	•	•	•	•
01161609 00	•	1.5	•	•	•	•	•	•	•
01162609 00	•	1.5	•	•	•	•	•	•	•
01163609 00	•	1.5	•	•	•	•	•	•	•
01165609 00	•	2.0	•	•	•	•	•	•	•
01181810 00	•	1.5	•	•	•	•	•	•	•
01182810 00	•	1.5	•	•	•	•	•	•	•
01231011 00	•	1.5	•	•	•	•	•	•	•
01232011 00	•	1.5	•	•	•	•	•	•	•
01232018 00	•	1.5	•	•	•	•	•	•	•
01232811 00	•	1.5	•	•	•	•	•	•	•
01233311 00	•	1.5	•	•	•	•	•	•	•
01233318 00	•	1.5	•	•	•	•	•	•	•
01234011 00	•	2.0	•	•	•	•	•	•	•
01234023 00	•	2.0	•	•	•	•	•	•	•
01236011 00	•	2.0	•	•	•	•	•	•	•
01314011 00	•	2.0	•	•	•	•	•	•	•
01314014 00	•	2.0	•	•	•	•	•	•	•
01314018 00	•	2.0	•	•	•	•	•	•	•
01314023 00	•	2.0	•	•	•	•	•	•	•
01316011 00	•	2.0	•	•	•	•	•	•	•
01316018 00	•	2.0	•	•	•	•	•	•	•
01606020 00	•	2.5				•		•	
Flange Enclosures									
11232011 00	•		•			•	•	•	•
11232811 00	•		•			•	•	•	•
11234011 00	•		•			•	•	•	•
11236011 00	•		•			•	•	•	•
Aluminum Watertight Enclosures With External Mounting Flange									
01061200 00						•	•	•	•
01061900 00						•	•	•	•

¹⁾ Galvanized Steel ²⁾ Stainless Steel ³⁾ Die Cast Aluminum ⁵⁾ TS 32 on Request

Note: Dimensions are external. Metric is the primary dimension. Inch conversions are for the user's convenience and are for reference only.

Accessories for Flange Enclosures

Blank flange	10006001
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Standard & Flange Aluminum Enclosures, Unpainted



UL 508

UL 50

- Robust aluminum enclosure for mechanical and automation engineering
- Standard enclosures prepared for acceptance of DIN rail and mounting plates
- Flange enclosures with 4, 6 or 8 flange openings

Included in delivery

Aluminum diecast enclosure consisting of lid with seal and captive stainless steel screws; base with 2 or 4 ground screws; flange enclosures with flange openings (please order flange plates separately).

Technical Data

Material	Al Si 12, DIN 1725
Ingress Protection	IP 66 to EN 60529. Flange: IP 65 EN 60526
Impact Resistance	>7 Nm, EN 50014
Temperature Resistance	Neoprene gasket: -40°F to +212°F Silicone gasket: -76°F to +266°F RFI gasket: -40°F to +392°F Polyurethane -40°F to +194°F
Painting	Powdercoating
Color	Silver gray, similar to RAL 7001, special colors on request

Part Number	Dimensions mm W x L x H	Dimensions Inches W x L x H	Part Number	Dimensions mm W x L x H	Dimensions Inches W x L x H	Part Number	Dimensions mm W x L x H	Dimensions Inches W x L x H
Standard enclosures								
01050503 85	45 x 50 x 30	1.77 x .97 x .45	01122208 85	120 x 220 x 80	4.72 x 8.66 x 3.19	01232018 85	230 x 200 x 180	9.13 x 7.95 x 7.09
01060603 85	64 x 58 x 34	2.52 x 2.28 x 1.34	01122209 85	120 x 220 x 90	4.72 x 8.66 x 3.58	01232811 85	230 x 280 x 110	9.06 x 11.02 x 4.37
01061003 85	64 x 98 x 34	3.86 x 2.52 x 1.34	01122212 85	120 x 220 x 120	4.72 x 14.17 x 3.19	01233311 85	230 x 330 x 110	9.06 x 12.99 x 4.37
01061503 85	64 x 150 x 34	2.52 x 5.91 x 1.34	01123608 85	120 x 360 x 80	5.51 x 5.51 x 3.58	01233318 85	230 x 330 x 180	9.06 x 12.99 x 7.13
01061903 85	64 x 185 x 34	2.52 x 7.28 x 1.34	01141409 85	140 x 140 x 90	5.51 x 7.87 x 3.58	01234011 85	230 x 400 x 110	9.06 x 15.75 x 4.37
01080806 85	80 x 75 x 57	3.15 x 2.95 x 2.24	01142009 85	140 x 200 x 90	5.51 x 7.87 x 3.58	01234023 85	230 x 400 x 224	9.06 x 15.75 x 8.86
01081306 85	80 x 125 x 57	3.15 x 4.92 x 2.24	01161609 85	160 x 160 x 90	6.30 x 6.30 x 3.58	01236011 85	230 x 600 x 110	9.06 x 23.62 x 4.37
01081806 85	80 x 175 x 57	3.15 x 6.89 x 2.24	01162609 85	160 x 260 x 90	6.30 x 10.24 x 3.58	01314011 85	310 x 400 x 110	12.32 x 15.91 x 4.37
01082505 85	80 x 250 x 52	3.15 x 9.84 x 2.05	01163609 85	160 x 360 x 90	6.30 x 14.17 x 3.58	01314014 85	310 x 400 x 140	12.32 x 15.91 x 5.55
01101008 85	100 x 100 x 80	3.94 x 3.94 x 3.19	01165609 85	160 x 560 x 90	6.30 x 22.05 x 3.58	01314018 85	310 x 400 x 180	12.32 x 15.91 x 7.13
01101608 85	100 x 160 x 80	3.94 x 6.30 x 3.19	01181810 85	180 x 180 x 100	7.09 x 7.09 x 3.98	01314023 85	310 x 400 x 226	12.32 x 15.91 x 8.94
01102008 85	100 x 200 x 80	3.94 x 7.87 x 3.19	01182810 85	180 x 280 x 100	11.02 x 7.09 x 3.98	01316011 85	310 x 600 x 110	12.20 x 23.62 x 4.37
01121208 85	120 x 122 x 80	4.72 x 4.80 x 3.19	01231011 85	100 x 230 x 110	3.94 x 9.06 x 4.33	01316018 85	310 x 600 x 180	12.20 x 23.62 x 7.13
01121209 85	120 x 122 x 90	4.72 x 4.80 x 3.58	01232011 85	230 x 200 x 110	9.13 x 7.95 x 4.37	01606020 85	600 x 600 x 200	23.62 x 23.62 x 7.95
Flange Enclosures			Flange openings					
11232011 85	230 x 200 x 110	9.05 x 7.78 x 4.33		4				
11232811 85	230 x 280 x 110	9.05 x 11.02 x 4.33		4				
11234011 85	230 x 400 x 110	9.05 x 15.75 x 4.33		6				
11236011 85	230 x 600 x 110	9.05 x 23.62 x 4.33		8				
Aluminum Watertight Enclosures with External Mounting Flange								
01061200 85	64 x 115 x 34.5	2.52 x 4.53 x 1.36						
01061900 85	64 x 186 x 34.5	2.52 x 7.32 x 1.36						

Note: Dimensions are external. Metric is the primary dimension. Inch conversions are for the user's convenience and are for reference only.

Accessories

Part Number	TS DIN rails for terminals	Mounting plate thickness in mm	External brackets pair set ¹⁾	External aluminum hinges, pair ³⁾	Hinges inside pair ²⁾	Corrosion resistant	Allen lid screws ²⁾	Silicon lid seal up to +266° F	Lead-sealable steel lid screws
TS 15 TS 35 ³⁾									
Standard Enclosures									
01050503 85					•	•	•		
01060603 85					•	•	•	•	
01061003 85					•	•	•	•	
01061503 85					•	•	•	•	
01061903 85					•	•	•	•	
01080806 85	•	1.5			•	•	•	•	
01081306 85	•	1.5			•	•	•	•	
01081806 85	•	1.5			•	•	•	•	
01082505 85	•	1.5			•	•	•	•	
01101008 85	•	1.5	•	•	•	•	•	•	•
01101608 85	•	1.5	•	•	•	•	•	•	•
01102008 85	•	1.5	•	•	•	•	•	•	•
01121208 85	•	1.5	•	•	•	•	•	•	•
01121209 85	•	1.5	•	•	•	•	•	•	•
01122208 85	•	1.5	•	•	•	•	•	•	•
01122209 85	•	1.5	•	•	•	•	•	•	•
01122212 85	•	1.5	•	•	•	•	•	•	•
01123608 85	•	1.5	•	•	•	•	•	•	•
01141409 85	•	1.5	•	•	•	•	•	•	•
01142009 85	•	1.5	•	•	•	•	•	•	•
01161609 85	•	1.5	•	•	•	•	•	•	•
01162609 85	•	1.5	•	•	•	•	•	•	•
01163609 85	•	1.5	•	•	•	•	•	•	•
01165609 85	•	2.0	•	•	•	•	•	•	•
01181810 85	•	1.5	•	•	•	•	•	•	•
01182810 85	•	1.5	•	•	•	•	•	•	•
01231011 85	•	1.5	•	•	•	•	•	•	•
01232011 85	•	1.5	•	•	•	•	•	•	•
01232018 85	•	1.5	•	•	•	•	•	•	•
01232811 85	•	1.5	•	•	•	•	•	•	•
01233311 85	•	1.5	•	•	•	•	•	•	•
01233318 85	•	1.5	•	•	•	•	•	•	•
01234011 85	•	2.0	•	•	•	•	•	•	•
01234023 85	•	2.0	•	•	•	•	•	•	•
01236011 85	•	2.0	•	•	•	•	•	•	•
01314011 85	•	2.0	•	•	•	•	•	•	•
01314014 85	•	2.0	•	•	•	•	•	•	•
01314018 85	•	2.0	•	•	•	•	•	•	•
01314023 85	•	2.0	•	•	•	•	•	•	•
01316011 85	•	2.0	•	•	•	•	•	•	•
01316018 85	•	2.0	•	•	•	•	•	•	•
01606020 85	•	2.5				•		•	
Flange Enclosures									
11232011 85	•		•			•	•	•	•
11232811 85	•		•			•	•	•	•
11234011 85	•		•			•	•	•	•
11236011 85	•		•			•	•	•	•
Aluminum Watertight Enclosures With External Mounting Flange									
01061200 85						•	•	•	•
01061900 85						•	•	•	•

¹⁾ Galvanized Steel ²⁾ Stainless Steel ³⁾ Die Cast Aluminum ⁵⁾ TS 32 on Request

Note: Dimensions are external. Metric is the primary dimension. Inch conversions are for the user's convenience and are for reference only.

Accessories for Flange Enclosures

Blank flange	10006001 85
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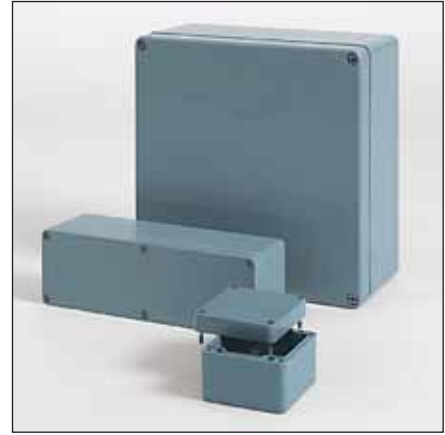
Fiberglass Watertight 02



- Robust enclosure for automation engineering
- Universal construction

Included in delivery

Fiberglass enclosure consisting of lid, base, seal, and captive stainless steel lid screws.



UL 508

UL 50

Technical Data

Material	Glassfiber-reinforced, duroplastic Polyester
Ingress Protection	IP 66 to EN 60529
Impact Resistance	>7 Nm, EN 50014
Flammability	UL 94 V0
Insulation	Fully insulated to VDE 100
Temperature Resistance	Neoprene gasket: -40°F to +212°F Silicone gasket: -76°F to +266°F Polyurethane gasket: -40°F to +194°F
Disruptive Strength	18 KV/mm
Toxicity	Halogen-free
Surface Resistance	>10 ¹² Ohm VDE 0303 DIN 53482
Color	Gray, similar to RAL 7000, special colors on request

Part Number	Dimensions mm	Dimensions Inches	TS DIN rails for terminals		Mounting Plate Thickness in mm	External brackets pair ²⁾	External aluminum hinges, pair ³⁾	Allen lid screws ²⁾	Silicone lid seal up to 257°F
	W x L x H	W x L x H	TS 15	TS 35 ⁶⁾					
02060603 00	55 x 55 x 37	2.17 x 2.17 x 1.46							
02060606 00	55 x 55 x 59	2.17 x 2.17 x 2.32							
02080806 00	75 x 80 x 55	2.95 x 3.15 x 2.20	•		2 ⁵⁾	•		•	•
02080808 00	75 x 80 x 75	2.95 x 3.15 x 2.95	•			•		•	•
02081106 00	75 x 110 x 55	2.95 x 4.33 x 2.20	•		2 ⁵⁾	•		•	•
02081108 00	75 x 110 x 75	2.95 x 4.33 x 2.95	•			•		•	•
02081606 00	75 x 160 x 55	2.95 x 6.30 x 2.20	•		2 ⁵⁾	•		•	•
02081608 00	75 x 160 x 75	2.95 x 6.30 x 2.95	•			•		•	•
02081906 00	75 x 190 x 55	2.95 x 7.48 x 2.20	•		2 ⁵⁾	•		•	•
02081908 00	75 x 190 x 75	2.95 x 7.48 x 2.95	•			•		•	•
02082306 00	75 x 230 x 55	2.95 x 9.06 x 2.20	•			•		•	•
02082308 00	75 x 230 x 75	2.95 x 9.06 x 2.95	•			•		•	•
02103208 00	100 x 320 x 80	2.95 x 12.60 x 3.19	•		1.5 ¹⁾	•	•	•	•
02121209 00	120 x 122 x 90	4.72 x 4.80 x 3.58		•	1.5 ¹⁾	•	•	•	•
02122209 00	120 x 220 x 90	4.72 x 8.66 x 3.58		•	1.5 ¹⁾	•	•	•	•
02161609 00	160 x 160 x 90	6.30 x 6.30 x 3.58		•	2.5 ¹⁾	•	•	•	•
02162609 00	160 x 260 x 90	6.30 x 10.24 x 3.58		•	2.5 ¹⁾	•	•	•	•
02163609 00	160 x 360 x 90	6.30 x 14.17 x 3.58		•	2.5 ¹⁾	•	•	•	•
02165609 00	160 x 560 x 90	6.30 x 22.05 x 3.58		•	2.5 ¹⁾	•	•	•	•
02252612 00	250 x 255 x 120	9.84 x 10.04 x 4.76		•	2.0 ¹⁾	•	•	•	•
02252616 00	250 x 255 x 160	9.84 x 10.04 x 6.34		•	2.0 ¹⁾	•	•	•	•
02254012 00	250 x 400 x 120	9.84 x 15.75 x 4.76		•	2.0 ¹⁾	•	•	•	•
02254016 00	250 x 400 x 160	9.84 x 15.75 x 6.34		•	2.0 ¹⁾	•	•	•	•
02256012 00	250 x 600 x 120	9.84 x 23.62 x 4.76		•	2.0 ¹⁾	•	•	•	•
02363609 00	360 x 360 x 90	14.17 x 14.17 x 3.58		•	2.0 ¹⁾	•	•	•	•
02414012 00	405 x 400 x 120	15.94 x 15.94 x 4.76		•	2.0 ¹⁾	•	•	•	•

¹⁾ Galvanized steel

²⁾ Stainless steel

³⁾ Plastic cover insulated

⁵⁾ Laminated paper

⁶⁾ TS 32 on request

Note: Dimensions are external. Metric is the primary dimension. Inch conversions are for the user's convenience and are for reference only.

Polyester Flange Enclosures



- Enclosures with flange openings for automation engineering
- Multiple configurations possible by combining with other Fiberglass Flange enclosures.

Included in delivery

Enclosure in Fiberglass consisting of lid with seal, and plastic quick-release lock screws; base with flange openings, threaded insert set (4 pcs.). Please order flange plates separately.



Technical Data

	Standard Version	With Polycarbonate Transparent Lid
Material	Glassfiber-reinforced, duroplastic Polyester	
Ingress Protection	IP 65 to EN 60529	IP 65 to EN 60529
Impact Resistance	>7 Nm, EN 50014	
Flammability	UL 94 V0	V2 / UL 94
Insulation	Fully insulated to VDE 010	Fully insulated to VDE 0100
Temperature Resistance	Neoprene gasket: -40°F to +212°F Silicone gasket: -76°F to +266°F Polyurethane gasket: -40°F to +194°F RFI gasket: -40°F to +392°F	Polyurethane gasket: -40°F to +194°F
Water Absorption	max. 0.7% downstream of ASTM D 570	max 0.2% DIN 53405 ISO/R62
Disruptive Strength	18 KV/mm	>30 Kv/mm VDE 0303 DIN 53481
Toxicity	Halogen-free	Halogen-free
Surface Resistance	>10 ¹² Ohm VDE 0303 DIN 53482	>10 ¹⁵ Ohm VDE 0303 DIN 53482
Color	Gray, similar to RAL 7032, special colors on request	Gray, similar to RAL 7000, special colors on request

Part Number	Dimensions mm	Dimensions Inches	Flange Openings	Mounting Plate	Front Plate	* DIN Rail TS 35	Silicone Seal for Lid
	W x L x H	W x L x H					
14010000 00	170 x 270 x 135	6.69 x 10.63 x 5.31	2	14000011 00	14000027 00	10061721 00	10051501 00
14020000 00	270 x 270 x 135	10.63 x 10.63 x 5.91	4	14000012 00	14000028 00	10061722 00	10051502 00
14030000 00	270 x 540 x 135	10.63 x 21.26 x 5.31	6	14000013 00	14000029 00	10061723 00	10051503 00
Version with Polycarbonate Transparent Lid							
14010001 00	270 x 270 x 150	6.69 x 10.63 x 5.91	2	14000011 00	14000027 00	10061721 00	10051501 00
14020001 00	270 x 270 x 150	10.63 x 10.63 x 5.91	4	14000012 00	14000028 00	10061722 00	10051502 00
14030001 00	270 x 540 x 150	10.63 x 21.26 x 5.91	6	14000013 00	14000029 00	10061723 00	10051503 00

*TS 32 on request Note: Standard delivery is without flanges, please order flange plates separately.

Note: Dimensions are external. Metric is the primary dimension. Inch conversions are for the user's convenience and are for reference only.

Flanges and Accessories

Blind Flange	14000020 00
Threaded flange (17 x PG 11)	14000030 00
Threaded flange (14 x PG 13.5)	14000022 00
Threaded flange (11 x PG 16)	14000021 00
Threaded flange (4 x PG 16, 2 x PG 21.1 x PG 29)	14000023 00
Connecting flange (11 x PG 16)	14000025 00
Lid hinges (2 pcs.) for all types	14000026 00
External brackets (4 pcs.)	10031102 00
Threaded insert, additional (10 pcs.)	10035002 00
Silicone seal for flanges	10051402 00
Silicone seal for connecting flange	10051403 00

Standard Polycarbonate / ABS Enclosures



- Light-weight plastic enclosures for industrial applications
- Polycarbonate enclosure with standard or transparent lid
- Optional RFI version with coating

Included in delivery

Plastic enclosure consisting of lid with seal and captive stainless steel lid screws; base with 2 self-tapping screws for fastening internal components.



Technical Data

	Polycarbonate	ABS
Material	Polycarbonate	
Ingress Protection	IP 66 EN 60529	IP 66 to EN 60529
Surface Resistance	>10 ¹² OHm, DIN 53481	4x10 ¹⁴ Ohm, VDE 0303 DIN 53486
Disruptive Strength	> 18 KV/mm, DIN 53481	24 Kv/mm VDE 03032 DIN 53481
Insulation	Fully insulated, VDE 0100	Fully insulated VDE 0100
Flammability	UL 94 V0	UL 94 HB
Impact Resistance	>7Nm to EN 50014	
Temperature Range	-40°F to + 212°F (neoprene gasket)	-40°F to +212°F (neoprene gasket)
Color	Light gray, similar to RAL 7035. Special colors on request.	Light gray, similar to RAL 7035. Special colors on request.
Toxicity	Halogen-free	Halogen-free

Polycarbonate Enclosure Part Number	Polycarbonate Enclosure with Transparent Lid Part Number	ABS Enclosure Part Number	Dimensions mm	Dimensions Inches	External Brackets	Mounting Plate	Silicone Lid Seal	Rubber Feet	PC External Hinge approx. 150°
			W x L x H	W x L x H					
03050504 00	33050504 00	09050504 00	50 x 52 x 35	1.97 x 2.05 x 1.38		1.5			
03050704 00	33050704 00	09050704 00	50 x 65 x 35	1.97 x 2.56 x 1.38		1.5	•		
03080806 00	33080806 00	09080806 00	80 x 82 x 55	3.18 x 3.23 x 2.17	•	1.5	•	•	
03080809 00	33080809 00	09080809 00	80 x 82 x 85	3.15 x 3.23 x 3.35	•	1.5	•	•	
03081206 00	33081206 00	09081206 00	80 x 120 x 55	3.15 x 4.72 x 2.17	•	1.5	•	•	•
03081209 00	33081209 00	09081209 00	80 x 120 x 85	3.15 x 4.72 x 3.35	•	1.5	•	•	•
03081606 00	33081606 00	09081606 00	80 x 160 x 55	3.15 x 6.30 x 2.17	•	1.5	•	•	•
03081609 00	33081609 00	09081609 00	80 x 160 x 85	3.15 x 6.30 x 3.35	•	1.5	•	•	•
03082309 00	-	09082309 00	80 x 230 x 85	3.15 x 9.06 x 3.35	•	1.5	•	•	•
03121206 00	33121206 00	09121206 00	120 x 122 x 55	4.72 x 4.80 x 2.17	•	2	•	•	•
03121209 00	33121209 00	09121209 00	120 x 122 x 90	4.72 x 4.80 x 3.35	•	2	•	•	•
03121211 00	33121211 00	09121211 00	120 x 122 x 105	4.72 x 4.80 x 3.35	•	2	•	•	•
03121609 00	33121609 00	09121609 00	120 x 160 x 90	4.72 x 4.80 x 4.13	•	2	•	•	•
03121614 00	33121614 00	09121614 00	120 x 160 x 140	4.72 x 6.30 x 3.54	•	2	•	•	•
03122008 00	33122008 00	09122008 00	120 x 200 x 75	4.72 x 6.30 x 5.51	•	2	•	•	•
03122009 00	33122008 00	09122009 00	120 x 200 x 90	4.72 x 7.87 x 2.95	•	2	•	•	•
03122410 00	33122410 00	09122410 00	120 x 240 x 100	4.72 x 7.87 x 3.54	•	2	•	•	•
03152008 00	33152008 00	09152008 00	150 x 200 x 75	4.72 x 9.45 x 3.94	•	2.5	•	•	•
03162409 00	33162409 00	09162409 00	160 x 240 x 90	5.91 x 7.87 x 2.95	•	2.5 ³⁾	•	•	•
03162412 00	33162412 00	09162412 00	160 x 240 x 120	6.30 x 9.45 x 3.54	•	2.5	•	•	•
03163610 00	-	09163610 00	160 x 360 x 100	6.30 x 9.45 x 4.72	•	2.5	•	•	•
03203615 00	33203615 00	09203615 00	200 x 360 x 150	6.30 x 14.17 x 3.98		2.5	•		•
03233009 00	33233009 00	09233009 00	230 x 300 x 85	7.87 x 14.17 x 5.87	•	2	•	•	•
03233011 00	33233011 00	09233011 00	230 x 300 x 110	9.06 x 11.81 x 3.35	•	2	•	•	•
-	-	09403615 00	360 x 400 x 150	9.06 x 11.81 x 4.33		2 ³⁾	•		•

³⁾ Galvanized sheet steel

Note: Dimensions are external. Metric is the primary dimension. Inch conversions are for the user's convenience and are for reference only.

Polycarbonate Flange Enclosures



- Light plastic enclosure for industrial applications with flange pre-embossing
- Multiple configurations possible by combining with other Polycarbonate Flange Enclosures
- Snap lock technology and flange quick-fixing system



Included in delivery

Completely closed enclosure body with flange break-out points; lid with plastic quick-release lock; 4 threaded inserts for internal mounting.

Technical Data

	Enclosure base, flanges, opaque enclosure lids	Transparent Lids
Impact Resistance	> 7 Nm, EN 50014	>7 Nm, EN 50014
Flammability	UL 94 V0/ self-extinguishing	UL 94 V2
Disruptive Strength	> 18 kV / mm, DIN 53482	> 30 KV / mm, DIN 53481
Surface Resistance	>10 ¹⁵ Ohm, DIN 53482	>10 ¹⁵ ohm, DIN 53482
Temperature Range	-40°F up to +212°F	-40°F to + 212°F
Ingress Protection	IP 65 to #N 60529	IP 65 to EN 60529
Sealing	Neoprene	Neoprene
Toxicity	Low-halogen	Low-halogen
Weather Resistance	UV stabilized	-
Insulation	Fully insulated VDE 0100	Fully insulated VDE 0100
Color	Gray, similar to RAL 7032	Transparent

Enclosure with Lid Part Number	Enclosure with Transparent Lid Part Number	Dimensions mm W x L x H	Dimensions Inches W x L x H	Flange Opening	TS 35*	DIN Rail	Mounting Plate
17011000 00	17011010 00	134 x 170 x 130	5.12 x 6.69 x 5.12	2	•	•	•
17021000 00	17021010 00	170 x 170 x 130	6.69 x 6.69 x 5.12	4	•	•	•
17031000 00	17031010 00	170 x 269 x 130	6.69 x 10.59 x 5.12	4	•	•	•
17041000 00	17041010 00	269 x 269 x 130	10.59 x 10.59 x 5.12	4	•	•	•
17051000 00	17051100 00	269 x 540 x 130	10.59 x 21.26 x 5.12	6	•	•	•
17061000 00	-	369 x 440 x 130	10.59 x 17.32 x 5.12	4	•	•	•

*TS 32 on request

Note: Dimensions are external. Metric is the primary dimension. Inch conversions are for the user's convenience and are for reference only.

Flanges and Accessories	Part Number
Blind flange I	17003100 00
Blind flange II	17003200 00
Flange 11 PG, 19 x PG9/PG 13.5	17003400 00
Flange 11 PG, 16 x PG11/PG 16	17003500 00
Flange 11 PG , 10 x PG9/PG 13.5; 4 x PG 11/PG16; 2 x PG21/PG29	17003300 00
Connecting flange I	17003600 00
Connecting flange II	17003700 00
Internal Mounting Bracket (set of 4), for type 1705 2 sets required	17004200 00
Additional threaded inserts (set of 10)	10035003 00
External brackets (set of 4)	10031104 00
Spare fixing wedges (set of 10)	17004100 00
Internal hinges (set of 2)	17005500 00

ECO/PCI Compact Enclosures



- Light-weight thermoplastic enclosure for industrial applications
- ECO version: base with smooth side walls, lid version standard or transparent
- PCI version: base with knock-outs for cable connections

Included in delivery

Enclosure consisting of lid, base, seal, captive lid screws, and screws for fastening including spacer inserts.



Technical Data

Material	Flame-resistant Polystyrene
Ingress Protection	IP 65 to EN 60529
Impact Resistance	2 Nm, EN 60068-2-75
Insulation	Fully insulated to VDE 0100
Temperature Range	+14°F to + 158°F
Flammability	UL 94 HB
Toxicity	Low-halogen
Weather Resistance	Do not expose to direct sunlight
Chemical Resistance	Not resistant to benzine, diesel, oils, and fats as well as strong acids.
Color	Gray, similar to RAL 7035. Special colors on request



ECO Series

Enclosure Type	Part Number	Dimensions	Dimensions	TS		Mounting Plate	External Bracket	External Hinges	Knurled Screw
		mm	Inches	Din Rails for Terminals					
		W x L x H	W x L x H	TS 15	TS 35*				
ECO 01-6	60070711 00	65 x 65 x 57	2.56 x 2.56 x 2.24	•		•	•	•	•
ECO 01-8	60070721 00	65 x 65 x 81	2.56 x 2.56 x 3.49	•		•	•	•	•
ECO 02-6	60070911 00	65 x 94 x 57	2.56 x 3.70 x 2.24	•		•	•	•	•
ECO 02-8	60070921 00	65 x 94 x 81	2.56 x 3.70 x 3.19	•		•	•	•	•
ECO 03-6	60090911 00	94 x 94 x 57	3.70 x 3.70 x 2.24	•		•	•	•	•
ECO 03-8	60090921 00	94 x 94 x 81	3.70 x 3.70 x 3.19	•		•	•	•	•
ECO 03-6t	60090912 00	94 x 94 x 57	3.70 x 3.70 x 2.24	•		•	•	•	•
ECO 03-8t	60090922 00	94 x 94 x 81	3.70 x 3.70 x 3.19	•		•	•	•	•
ECO 04-6	60091311 00	94 x 130 x 57	3.58 x 5.12 x 2.24	•	•	•	•	•	•
ECO 04-8	60091321 00	94 x 130 x 81	3.70 x 5.12 x 3.19	•	•	•	•	•	•
ECO 04-6t	60091312 00	94 x 130 x 57	3.58 x 5.12 x 2.24	•	•	•	•	•	•
ECO 04-8t	60091322 00	94 x 130 x 81	3.70 x 5.12 x 3.19	•	•	•	•	•	•
ECO 05-7	60111111 00	110 x 110 x 66	4.33 x 4.33 x 2.60	•	•	•	•	•	•
ECO 05-9	60111121 00	110 x 110 x 90	4.33 x 4.33 x 3.54	•	•	•	•	•	•
ECO 05-7t	60111112 00	110 x 110 x 66	4.33 x 4.33 x 2.60	•	•	•	•	•	•
ECO 05-9t	60111122 00	110 x 110 x 90	4.33 x 4.33 x 3.54	•	•	•	•	•	•
ECO 06-7	60131311 00	130 x 130 x 75	4.33 x 4.33 x 2.95	•	•	•	•	•	•
ECO 06-10	60131321 00	130 x 130 x 99	4.33 x 4.33 x 3.90	•	•	•	•	•	•
ECO 06-7t	60131312 00	130 x 130 x 75	4.33 x 4.33 x 2.95	•	•	•	•	•	•
ECO 06-10t	60131322 00	130 x 130 x 99	4.33 x 4.33 x 3.90	•	•	•	•	•	•
ECO 07-6	60091811 00	94 x 180 x 57	3.70 x 7.09 x 2.24	•	•	•	•	•	•
ECO 07-8	60091821 00	94 x 180 x 81	3.70 x 7.09 x 3.19	•	•	•	•	•	•
ECO 07-6t	60091812 00	94 x 180 x 57	3.70 x 7.09 x 2.24	•	•	•	•	•	•
ECO 07-8t	60091822 00	94 x 180 x 81	3.70 x 7.09 x 3.19	•	•	•	•	•	•
ECO 08-9	60111811 00	110 x 180 x 90	4.33 x 7.09 x 3.54	•	•	•	•	•	•
ECO 08-11	60111821 00	110 x 180 x 111	4.33 x 7.09 x 4.37	•	•	•	•	•	•
ECO 08-9t	60111812 00	110 x 180 x 90	4.33 x 7.09 x 3.54	•	•	•	•	•	•
ECO 08-11t	60111822 00	110 x 180 x 111	4.33 x 7.09 x 4.37	•	•	•	•	•	•
ECO 09-9	60181811 00	180 x 182 x 90	7.09 x 7.16 x 3.54	•	•	•	•	•	•
ECO 09-11	60181821 00	180 x 182 x 111	7.09 x 7.16 x 4.37	•	•	•	•	•	•
ECO 09-16	60181831 00	180 x 182 x 165	7.09 x 7.16 x 6.50	•	•	•	•	•	•
ECO 09-9t	60181812 00	180 x 182 x 90	7.09 x 7.16 x 3.54	•	•	•	•	•	•
ECO 09-11t	60181822 00	180 x 182 x 111	7.09 x 7.16 x 4.37	•	•	•	•	•	•
ECO 09-16t	60181832 00	180 x 182 x 165	7.09 x 7.16 x 6.50	•	•	•	•	•	•
ECO 10-6t	60182509 00	180 x 254 x 63	7.09 x 10.00 x 2.48	•	•	•	•	•	•
ECO 10-6	60182510 00	180 x 254 x 63	7.09 x 10.00 x 2.48	•	•	•	•	•	•
ECO 10-9	60182511 00	180 x 254 x 90	7.09 x 10.00 x 3.54	•	•	•	•	•	•
ECO 10-11	60182521 00	180 x 254 x 111	7.09 x 10.00 x 4.37	•	•	•	•	•	•
ECO 10-16	60182531 00	180 x 254 x 165	7.09 x 10.00 x 6.50	•	•	•	•	•	•
ECO 10-9t	60182512 00	180 x 254 x 90	7.09 x 10.00 x 3.54	•	•	•	•	•	•
ECO 10-11t	60182522 00	180 x 254 x 111	7.09 x 10.00 x 4.37	•	•	•	•	•	•
ECO 10-16t	60182532 00	180 x 254 x 165	7.09 x 10.00 x 6.50	•	•	•	•	•	•
ECO 11-11	60253611 00	254 x 355 x 111	10.00 x 13.98 x 4.37	•	•	•	•	•	•
ECO 11-16	60253621 00	254 x 355 x 165	10.00 x 13.98 x 6.50	•	•	•	•	•	•
ECO 11-11t	60253612 00	254 x 355 x 111	10.00 x 13.98 x 4.37	•	•	•	•	•	•
ECO 11-16t	60253622 00	254 x 355 x 165	10.00 x 13.98 x 6.50	•	•	•	•	•	•

PCI Series

PCI 06-1M	60070715 00	65 x 65 x 57	2.56 x 2.56 x 2.24	•		•	•	•	•
PCI 02-6M	60070915 00	65 x 95 x 57	2.56 x 3.74 x 2.24	•		•	•	•	•
PCI 03-6M	60090915 00	94 x 94 x 57	3.70 x 3.70 x 2.24	•		•	•	•	•
PCI 04-6M	60091315 00	94 x 130 x 57	3.70 x 5.12 x 2.24	•	•	•	•	•	•
PCI 05-9M	60111115 00	110 x 110 x 90	4.33 x 4.33 x 3.54	•	•	•	•	•	•
PCI 06-7M	60131315 00	130 x 130 x 75	5.12 x 5.12 x 2.95	•	•	•	•	•	•
PCI 07-6M	60091815 00	94 x 180 x 57	3.70 x 7.09 x 2.24	•	•	•	•	•	•
PCI 08-9M	60111815 00	110 x 180 x 90	4.33 x 7.09 x 3.54	•	•	•	•	•	•
PCI 08-11M	60111825 00	110 x 180 x 111	4.33 x 7.09 x 4.37	•	•	•	•	•	•
PCI 09-9M	60181815 00	180 x 182 x 90	7.09 x 7.16 x 3.54	•	•	•	•	•	•
PCI 09-11M	60181825 00	180 x 182 x 111	7.09 x 7.16 x 4.37	•	•	•	•	•	•
PCI 10-6M	60182505 00	180 x 254 x 63	7.09 x 10.00 x 2.48	•	•	•	•	•	•
PCI 10-9M	60182515 00	180 x 254 x 90	7.09 x 10.00 x 3.54	•	•	•	•	•	•
PCI 10-11M	60182525 00	180 x 254 x 111	7.09 x 10.00 x 4.37	•	•	•	•	•	•
PCI 11-11M	60253615 00	254 x 355 x 111	10.00 x 13.98 x 4.37	•	•	•	•	•	•

t = Transparent lid

* TS 32 available on request

Note: Dimensions are external. Metric is the primary dimension. Inch conversions are for the user's convenience and are for reference only.

Polymas Watertight Enclosures



- Especially suitable for fitting small electronic components and terminal blocks
- Available with or without molded-on cable glands and with or without quick-release lid screws
- Mounting bosses for self-tapping screws provided for the assembly of terminal blocks, DIN rails or PCBs

Included in delivery

Enclosure consisting of lid and base; lid screws, or quick-release lid screws; depending on design with molded-on cable glands PG 11 including clamping cage, pressure screw, and closed sealing ring.



Technical Data

Material	Polyamide 6, 30% glassbead-reinforced. UV stabilized
Ingress Protection	IP 65 DIN EN 60529. Increased protection up to IP x7 on request.
Color	Gray, similar to RAL 7001
Lid Seal	Neoprene

Enclosure Type	Part Number	Dimensions	
		mm W x L x H	Inches W x L x H
PK 101*	38101000 00	58 x 64 x 34	2.28 x 2.52 x 1.34
PK 101-111*	38101100 00	58 x 64 x 34	2.28 x 2.52 x 1.34
PK 101-211*	38101200 00	58 x 64 x 34	2.28 x 2.52 x 1.34
PK 101 SV	38101500 00	58 x 64 x 34	2.28 x 2.25 x 1.34
PK 101 SV-111	38101600 00	58 x 64 x 34	2.28 x 2.25 x 1.34
PK 101 SV-211	38101700 00	58 x 64 x 34	2.28 x 2.25 x 1.34
PK 102*	38102000 00	98 x 64 x 34	3.86 x 2.52 x 1.34
PK 102-211*	38102200 00	98 x 64 x 34	3.86 x 2.52 x 1.34
PK 102-411*	38102400 00	98 x 64 x 34	3.86 x 2.52 x 1.34
PK 102 SV	38102500 00	98 x 64 x 34	3.86 x 2.52 x 1.34
PK 102 SV-211	38102700 00	98 x 64 x 34	3.86 x 2.52 x 1.34
PK 102 SV-411	38102900 00	98 x 64 x 34	3.86 x 2.52 x 1.34
PK 105*	38105000 00	75 x 80 x 57	2.95 x 2.52 x 2.24
PK 105 SV	38105500 00	75 x 80 x 57	2.95 x 2.52 x 2.24
PK 110*	38110000 00	125 x 80 x 57	4.91 x 2.52 x 2.24
PK 110 SV	38110500 00	125 x 80 x 57	4.91 x 2.52 x 2.24
PK 115*	38115000 00	175 x 80 x 57	6.89 x 2.52 x 2.24
PK 115 SV	38115500 00	175 x 80 x 57	6.89 x 2.52 x 2.24

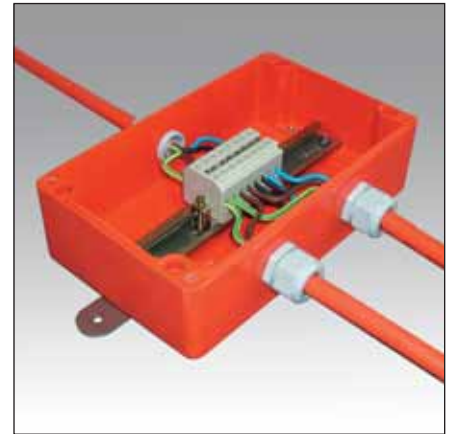
*Available with transparent polycarbonate lid for quantities exceeding 500 pieces.

Note: Dimensions are external. Metric is the primary dimension. Inch conversions are for the user's convenience and are for reference only.

E30 Fire Protection Enclosures



- Fire protection enclosures from special halogen-free fiberglass material
- Individually fitted with ceramic terminals and cable glands to customer specifications



Included in delivery

Enclosure system with DIN rail and external brackets.
Optional, approved terminals and cable glands

Technical Data

Material	Glassfiber-reinforced polyester
Ingress Protection	IP 66, EN 60529
Seal/Temperature Stability	CR round seal -40° to +90°F
Test Certificate	DIN 4102 Part 12. General building test certification.
EMC	Optional EMC version

Part Number	Dimensions mm	Dimensions Inches	Ceramic Terminal Blocks	
	W x L x H	W x L x H	SAKK4	SAKK10
E30121209 00	120 x 120 x 90	4.72 x 4.72 x 3.54	7 pieces	4 pieces
E30122209 00	120 x 220 x 90	4.72 x 8.66 x 3.54	18 pieces	12 pieces
E30161609 00	160 x 160 x 90	6.30 x 6.30 x 3.54	11 pieces	8 pieces
E30162609 00	160 x 260 x 90	6.30 x 10.24 x 3.54	23 pieces	16 pieces
E30252612 00	250 x 260 x 120	9.84 x 10.24 x 4.72	2 x 23 pieces	2 x 16 pieces

Note: Dimensions are external. Metric is the primary dimension. Inch conversions are for the user's convenience and are for reference only.

Accessories

Terminals

E30000104 00	SAKK4	ceramic terminal block	0.5 to 6 mm ² (single strip) 0.5 to 4 mm ² (multi strip)
E30000116 00	SAKK 10	ceramic terminal block	2.5 to 16mm ² (single strip) 2.5 to 10mm ² (multi strip)
E30000191 00	AP/SAKK4/10	lid	
E30000192 00	QL2/SAKK4	bridge, 2 pole to SAKK 4	
E30000193 00	QL3/SAKK4	bridge, 3 pole to SAKK 4	
E30000194 00	QL 4/SAKK4	bridge, 4 pole to SAKK 4	
E30000196 00	QL 2/SAKK10	bridge, 2 pole to SAKK 10	
E30000197 00	QL 3/SAKK10	bridge, 3 pole to SAKK 10	
E30000198 00	QL 4/SAKK10	bridge, 4 pole to SAKK 10	
E30000201 00	EW 1	end clamp TS 32	

Cable Glands

08080512 00	M 12 x 1.5	range 3 - 7 mm
08080516 00	M 16 x 1.5	range 5 - 10 mm
08080520 00	M 20 x 1.5	range 8 - 13 mm
08080525 00	M 25 x 1.5	range 11 - 17 mm
08080532 00	M 32 x 1.5	range 15 - 21 mm
08080540 00	M 40 x 1.5	range 19 - 28 mm