

Polycarbonate Watertight 03 Product Drawings Last Updated 12/5/2006

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Dimensional Drawings

Rose+Bopla's **Polycarbonate Watertight 03** enclosure offers exceptional design possibilities in high quality plastic at low prices. A broad range of sizes covers a wide array of widths and depths.

Polycarbonate Watertight 03

Ideal where high impact resistance or chemical corrosion must be addressed at a reasonable cost. Wall mounting holes are molded into each corner. These holes are outside the internal chamber to maintain the enclosures watertight integrity. The lid must be removed to utilize the wall mounting feature. This is a basic shoe box design made of injection-molded polycarbonate.

Rose+Bopla's Polycarbonate Watertight 03 enclosures are designed for use in the electro-mechanical and the electronics industry. They are good for small instruments and junction boxes. Typical applications are relay module enclosures, geophysical sensing equipment and temperature control monitors.

The Polycarbonate 03 box comes with a solid color lid and base, captive stainless steel lid screws, molded-in lid screw inserts in the base and a neoprene gasket. Metric press-in brass inserts for internal mounting bosses are also available.



Polycarbonate Watertight 03 Enclosures

Part Number	Length (Inches/mm)	Width (Inches/mm)	Height (Inches/mm)	Weight	Drawing Page #
03050504 00	2.05 / 52	1.97 / 50	1.38 / 35	.08 lbs	17-53
03050704 30*	2.56 / 65	1.97 / 50	1.38 / 35	.11 lbs	17-53
03080806 30*	3.23 / 82	3.15 / 80	2.17 / 55	.30 lbs	17-54
03080809 30*	3.23 / 82	3.15 / 80	3.35 / 85	.38 lbs	17-54
03081206 30*	4.72 / 120	3.15 / 80	2.17 / 55	.48 lbs	17-55
03081209 30*	4.72 / 120	3.15 / 80	3.35 / 85	.49 lbs	17-55
03081606 30*	6.30 / 160	3.15 / 80	2.17 / 55	.51 lbs	17-56
03081609 00	6.30 / 160	3.15 / 80	3.35 / 85	.61 lbs	17-56
03082309 00	9.06 / 230	3.15 / 80	3.35 / 85	.74 lbs.	17-63
03121206 30*	4.80 / 122	4.72 / 120	2.17 / 55	.52 lbs	17-57
03121209 30*	4.80 / 122	4.72 / 120	3.35 / 85	.65 lbs	17-57
03121211 00	4.80 / 122	4.72 / 120	4.13 / 105	.77 lbs	17-58
03121609 00	6.30 / 160	4.72 / 120	3.54 / 90	.87 lbs	17-58
03121614 00	6.30 / 160	4.72 / 120	5.51 / 140	1.32 lbs	17-59
03122008 30*	7.87 / 200	4.72 / 120	2.95 / 75	.87 lbs	17-59
03122009 30*	7.87 / 200	4.72 / 120	3.54 / 90	1.03 lbs	17-60
03122410 00	7.87 / 200	5.90 / 150	2.95 / 75	1.04 lbs	17-60
03152008 00	7.87 / 200	5.90 / 150	2.95 / 75	1.15 lbs	17-61
03162409 00	9.45 / 240	6.30 / 160	3.54 / 90	1.43 lbs	17-61
03162412 00	9.45 / 240	6.30 / 160	4.72 / 120	1.75 lbs	17-62
03203615 00	14.17 / 360	7.87 / 200	5.87 / 149	3.41 lbs	17-64
03233009 00	11.81 / 300	9.06 / 230	3.35 / 85	2.01 lbs	17-64
03233011 00	11.81 / 300	9.06 / 230	4.33 / 110	2.54 lbs	17-65

Note: Dimensions are external. Metric is the primary dimension. Inch conversions and weights are for the user's convenience and are for reference only.
* "30" suffix indicates US made. Accessories shown on drawing page.

TECHNICAL DATA:

- Color: Light Gray similar to RAL 7035, with a high-gloss finish.
- Material: Injection-molded Polycarbonate. See polycarbonate specification sheets in Technical Information Chapter.
- Protection Classifications:
Nema 4X,
IP66, EN60529
- Gasket Temperature Range:
Neoprene Gasket -40° F to +212° F
Silicone Gasket -76° F to +266° F
RFI Gasket -40° F to +392° F
- Surface Resistance: >10¹⁵ Ohm / VDE 0303.
- Disruptive Strength: >30 KV / mm / VDE 0303.
- Toxicity: Halogen Free.
- Approvals: UL Listed File #E206630, UL 50, UL 508
CSA Approved
Flammability: UL 94 V2
Special Material:
UL Listed File #E206630, UL 50, UL 508
CSA Approved
Flammability: UL 94 V5A
- Options: (Minimum order may apply)
Special Colors
RFI Protection

Special Material: Special order. See above for approvals.

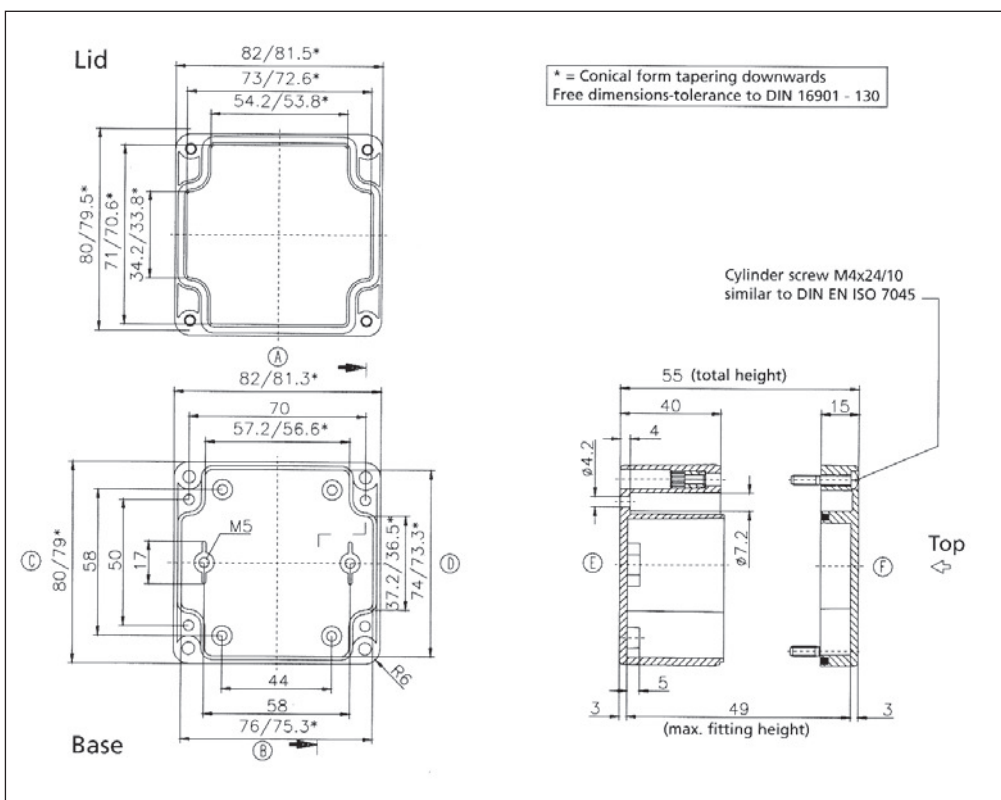
Polycarbonate/ABS Watertight

03080806 / 09080806 / 33080806 00

External Dimensions: L 82 x W 80 x H 55 mm

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Standard Features
• 10093133 00 M4x24 Stainless steel captive combo head lid screws. • 10082002 00 2.7mm Neoprene Gasket (11.02" length).
Accessories
• 10086123 00 Brass Mounting Inserts. • 10093163 00 Safety Lid screws. • 10093092 00 Allen head lid screws. • 10094110 00 Rubber Table feet. • 10052031 00 External Mounting Brackets. • 10061201 00 Terminal rails (TS 15). • 10093310 00 Thumb screws. • 10089021 00 Mounting Plate. • 10082013 00 3.3mm Silicone gasket. • 10082021 00 2.62mm RFI Gasket (11.02" length). • 10093214 00 M4.7x7.8mm Self tapping screw for mounting plate.



03080809 / 09080809 / 33080809 00

External Dimensions: L82 x W80 x H85 mm

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Standard Features
• 10093133 00 M4x24 Stainless steel captive combo head lid screws. • 10082002 00 2.7mm Neoprene Gasket (11.02" length).
Accessories
• 10086123 00 Brass Mounting Inserts. • 10093163 00 Safety Lid screws. • 10093092 00 Allen head lid screws. • 10094110 00 Rubber Table feet. • 10052031 00 External Mounting Brackets. • 10061201 00 Terminal rails (TS 15). • 10093310 00 Thumb screws. • 10089021 00 Mounting Plate. • 10082013 00 3.3mm Silicone gasket. • 10082021 00 2.62mm RFI Gasket (11.02" length). • 10083214 00 M4.7x7.8mm Self tapping screw for mounting plate.

