



Bulletin 598 — General Purpose Enclosures

- Type 3R, 4, 4X, 12, and 13 rainproof, watertight, corrosion resistant, and dusttight, IP66 protection
- Designed for use as automation control box, electrical control housing, and terminal wiring box in industrial and commercial applications
- Available with optional plastic or metal mounting plates
- Provision for mounting using either AB or DIN Rail
- Enclosure can accommodate both panel mount and rail mount terminal blocks
- Designed for use in both indoor and outdoor applications

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Standards Compliance

UL 508A
 CSA C22.2, No. 14

Certifications

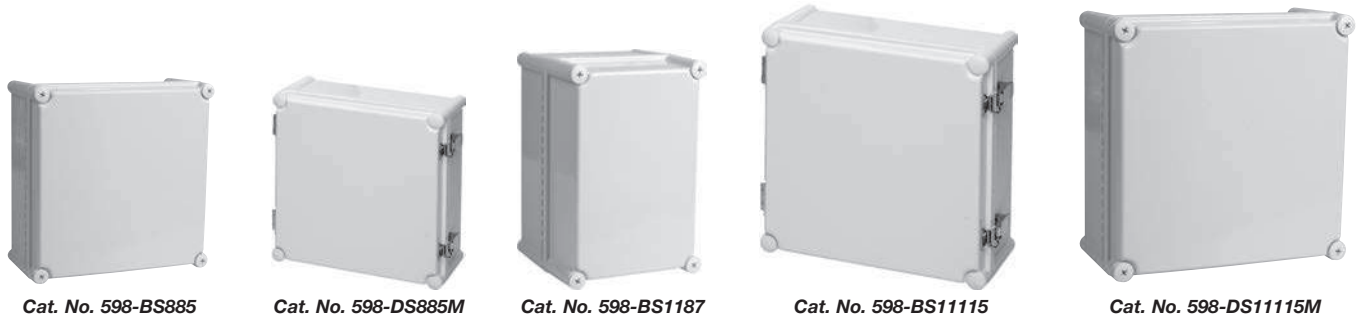
cULus Listed (File No. E54866;
 Guide No. NITW, NITW7)
 CE Marked









Technical Specifications

Product Certification	
Approvals/Certifications	cULus, CE
Degree of Protection	Type 3R, 4, 4X, 12, and 13, IP66
Environmental	
Storage Temperature Range	-40...+75 °C (-40...+158 °F)
Operating Temperature Range	-40...+55 °C (-40...+131 °F)
Material	
Enclosure — Solid Base & Cover	Thermoplastic polyester blend, UL 94 5VA
Enclosure — Clear Cover	Polycarbonate, UL 94 5VA
Gasket	Foam-in-place polyurethane
Plastic Mounting Plate	ABS
Metal Mounting Plate	Steel plus zinc with chromate plating
Mounting Plate Hardware (included with enclosure)	Stainless Steel
Mounting Provision	Brass
External Mounting Bracket	Stainless Steel
Hinges & Latches	Stainless Steel

Note: In applications where there is shock and vibration, use of a metal mounting plate is recommended.



Enclosure	Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity
Lift-Off Solid Cover	598-BS885	1	598-BS1187	1	598-BS11115	1
Lift-Off Clear Cover*	598-BS885C		598-BS1187C		598-BS11115C	
Hinged Solid Cover	598-DS885M		598-DS1187M		598-DS11115M	
Hinged Clear Cover*	598-DS885CM		598-DS1187CM		598-DS11115CM	
Outside Dimensions* (H x W x D)	190 x 190 x 130 mm (7.48 x 7.48 x 5.12 in.)		280 x 190 x 180 mm (11.02 x 7.48 x 7.09 in.)		280 x 280 x 130 mm (11.02 x 11.02 x 5.12 in.)	
Base Depth	98 mm (3.86 in.)		98 mm (3.86 in.)		98 mm (3.86 in.)	
Cover Depth	30 mm (1.18 in.)		30 mm (1.18 in.)		30 mm (1.18 in.)	
Cover Screw Material	Glass-reinforced nylon		Glass-reinforced nylon		Glass-reinforced nylon	
Cover Plug Material (for hinged enclosures only)	Polypropylene		Polypropylene		Polypropylene	
Recommended Tightening Torque	1.2...1.7 N•m (11...15 lb•in)		1.2...1.7 N•m (11...15 lb•in)		1.2...1.7 N•m (11...15 lb•in)	
Approx. Ship Weight	801.6 g (1.77 lb)		1261 g (2.78 lb)		1308 g (2.88 lb)	
						
Plastic Mounting Plate	Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity
	598-PP88	1	598-PP118	1	598-PP1111	1
Outside Dimension* (H x W x Thickness)	160 x 160 x 4 mm (6.3 x 6.3 x 0.16 in.)		252 x 161 x 3.4 mm (9.92 x 6.34 x 0.13 in.)		267 x 267 x 3.4 mm (10.51 x 10.51 x 0.13 in.)	
Thickness at support bracket	12 mm (0.47 in.)		12 mm (0.47 in.)		12 mm (0.47 in.)	
Recommended hardware for installing components	M4 (#8)		M5 (#10)		M5 (#10)	
Approx. Ship Weight	98.5 g (0.22 lb)		124.4 g (0.27 lb)		206.4 g (0.46 lb)	
						
Metal Mounting Plate	Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity
	598-PM88	1	598-PM118	1	598-PM1111	1
Outside Dimension* (H x W x Thickness)	161 x 161 x 1.6 mm (6.34 x 6.34 x 0.06 in.)		251.5 x 161 x 1.6 mm (9.9 x 6.34 x 0.06 in.)		251 x 251 x 1.6 mm (9.88 x 9.88 x 0.06 in.)	
Approx. Ship Weight	319.3 g (0.70 lb)		500.9 g (1.10 lb)		748.5 g (1.65 lb)	
Stainless Steel External Mounting Bracket Kit (4 brackets and 4 mounting hardware sets per kit)	Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity
	598-N13	1	598-N13	1	598-N13	1
Approx. Ship Weight	92.5 g (0.20 lb)		92.5 g (0.20 lb)		92.5 g (0.20 lb)	
Stainless Steel Hinge & Latch Kit	Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity	Cat. No.	Pkg. Quantity
	598-NHL22M	1	598-NHL22M	1	598-NHL22M	1
Number of Kits to Convert Lift-Off to Hinged	1		1		1	
Approx. Ship Weight	165 g (0.36 lb)		165 g (0.36 lb)		165 g (0.36 lb)	

Note: In applications where there is shock and vibration, use of metal mounting plate is recommended.

* Clear cover material: polycarbonate.

* Dimensions are not intended to be used for manufacturing purposes.

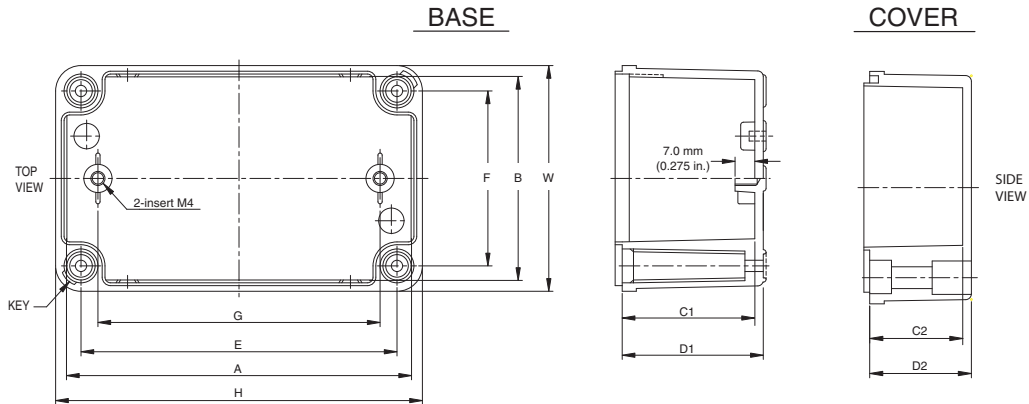
Approximate Dimensions

For General Purpose Enclosures

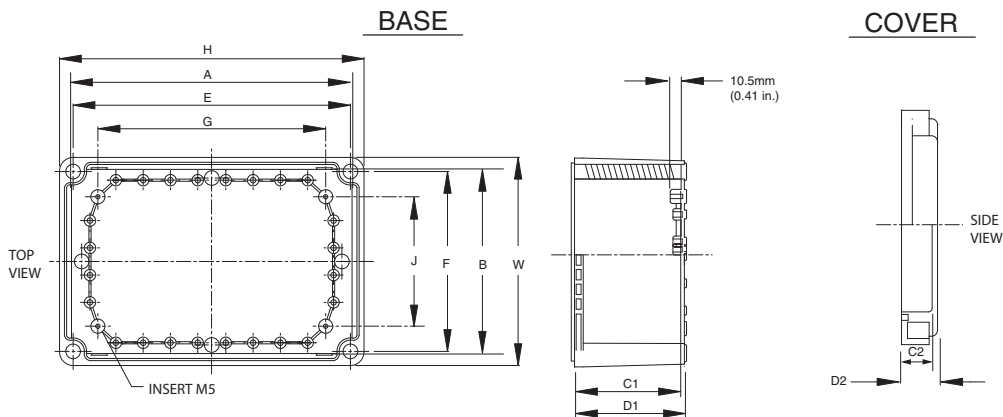
Dimensions are shown in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.

General Purpose Enclosures

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Cat. No.	Overall Dimension				Inside Dimension				Enclosure Mounting Dimension		Mounting Plate Mounting Dim.
	H	W	D1	D2	A	B	C1	C2	E	F	
598-BS533	130 (5.12)	80 (3.15)	50 (1.97)	35 (1.38)	120 (4.72)	70 (2.76)	46.5 (1.83)	31.5 (1.24)	112 (4.41)	62 (2.44)	100 (3.94)
598-BS733	180 (7.09)	80 (3.15)	50 (1.97)	35 (1.38)	170 (6.69)	70 (2.76)	46.5 (1.83)	31.5 (1.24)	162 (6.38)	62 (2.44)	150 (5.91)
598-BS933	250 (9.84)	80 (3.15)	50 (1.97)	35 (1.38)	240 (9.45)	70 (2.76)	46.5 (1.83)	31.5 (1.24)	232 (9.13)	62 (2.44)	220 (8.66)



Cat. No.	Overall Dimension				Inside Dimension				Enclosure Mounting Dimension		Mounting Plate Mounting Dim.	
	H	W	D1	D2	A	B	C1	C2	E	F	G	J
598-BS885	190	190	98	30	174	174	94	26	165	165	120	120
598-DS885	(7.48)	(7.48)	(3.86)	(1.18)	(6.85)	(6.85)	(3.70)	(1.02)	(6.50)	(6.50)	(4.72)	(4.72)
598-BS1187	280	190	98	80	266	170	94	76	255	165	210	120
598-DS1187	(11.02)	(7.48)	(3.86)	(3.15)	(10.47)	(6.69)	(3.70)	(2.99)	(10.04)	(6.50)	(8.27)	(4.72)
598-BS1587	382	192	98	80	366	172	94	76	355	165	310	120
598-DS1587	(15.04)	(7.56)	(3.86)	(3.15)	(14.41)	(6.77)	(3.70)	(2.99)	(13.98)	(6.50)	(12.20)	(4.72)
598-BS11115	280	280	98	30	260	260	94	26	255	255	210	210
598-DS11115	(11.02)	(11.02)	(3.86)	(1.18)	(10.24)	(10.24)	(3.70)	(1.02)	(10.04)	(10.04)	(8.27)	(8.27)
598-BS13115	341	280	100	30	320	260	96	26	316	256	270	210
598-DS13115	(13.43)	(11.02)	(3.94)	(1.18)	(12.60)	(10.24)	(3.78)	(1.02)	(12.44)	(10.08)	(10.63)	(8.27)
598-BS15117	380	280	98	80	359	259	94	76	355	255	310	210
598-DS15117	(14.96)	(11.02)	(3.86)	(3.15)	(14.13)	(10.20)	(3.70)	(2.99)	(13.98)	(10.04)	(12.20)	(8.27)
598-BS22115	560	280	98	30	540	260	94	26	535	255	490	220
598-DS22115	(22.05)	(11.02)	(3.86)	(1.18)	(21.26)	(10.24)	(3.70)	(1.02)	(21.06)	(10.04)	(19.29)	(8.66)
598-BS22157	560	380	148	30	540	360	144	26	535	355	490	311
598-DS22157	(22.05)	(14.96)	(5.83)	(1.18)	(21.26)	(14.17)	(5.67)	(1.02)	(21.06)	(13.98)	(19.29)	(12.24)

Dimensions are shown in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.

General Purpose External Mounting Dimensions for use with External Mounting Bracket

Mounting Bracket

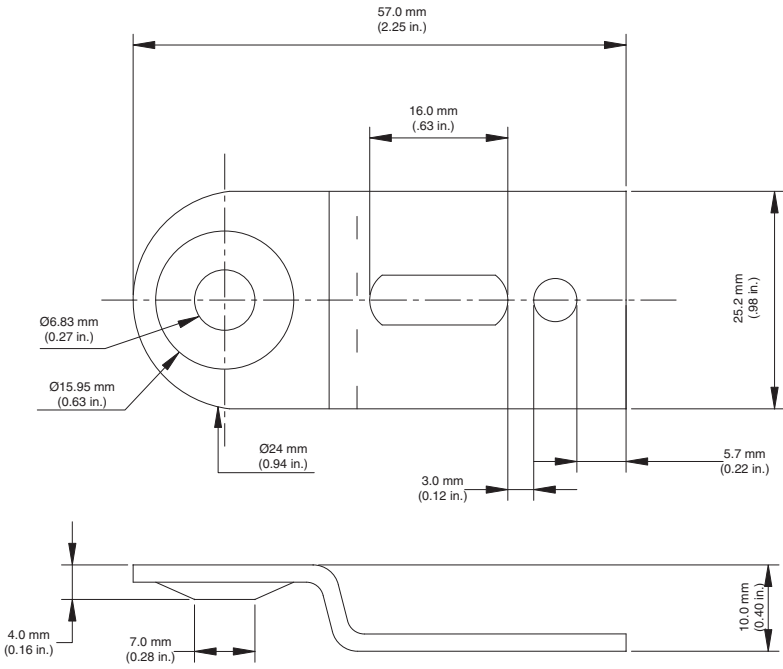


Fig. 1 – Base (Bottom View)

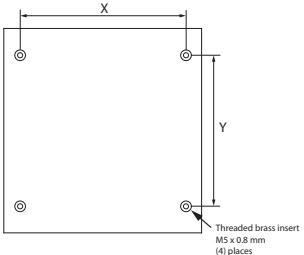


Fig. 2 – Base (Bottom View)

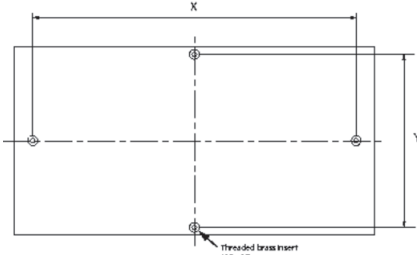


Fig. 3 – Base (Bottom View)

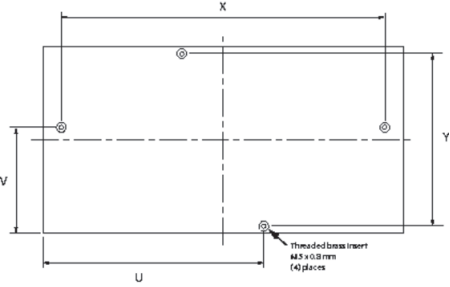
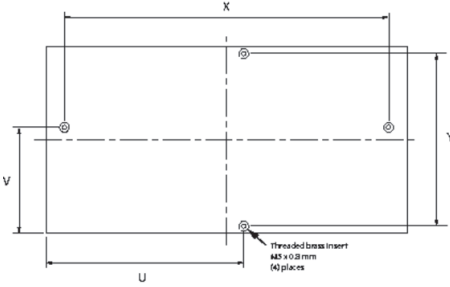


Fig. 4 – Base (Bottom View)



Cat. No.		Figure No.	U	V	X	Y
598-BS885	598-DS885	1	—	—	156 (6.13)	98 (3.88)
598-BS1187	598-DS1187	2	—	—	251 (9.88)	152 (6.00)
598-BS11115	598-DS11115		—	—	238 (9.38)	238 (9.38)
598-BS13115	598-DS13115		—	—	295 (11.63)	235 (9.25)
598-BS1587	598-DS1587		—	—	349 (13.78)	152 (6.00)
598-BS15117	598-DS15117		—	—	340 (13.38)	241 (9.50)
598-BS22115	598-DS22115	3	329 (12.94)	148 (5.81)	519 (20.44)	267 (10.50)
598-BS22157	598-DS22157	4	292 (11.50)	195 (7.69)	519 (20.44)	340 (13.38)

