

TS8 Modular Enclosure Systems

TS8 Overview



Dimensions mm (inches)			Part No. TS
Height	Width	Depth	Sheet steel
Single-Door			
1400 (55.1)	600 (23.6)	600 (23.6)	8646.500
1400 (55.1)	600 (23.6)	800 (31.5)	8648.500
1400 (55.1)	800 (31.5)	600 (23.6)	8846.500
1400 (55.1)	800 (31.5)	800 (31.5)	8848.500
1600 (63.0)	600 (23.6)	600 (23.6)	8666.500
1600 (63.0)	600 (23.6)	800 (31.5)	8668.500
1600 (63.0)	800 (31.5)	600 (23.6)	8866.500
1600 (63.0)	800 (31.5)	800 (31.5)	8868.500
1800 (70.9)	1000 (39.4)	500 (19.7)	8085.500
1800 (70.9)	1000 (39.4)	600 (23.6)	8086.500
2200 (86.6)	1000 (39.4)	600 (23.6)	8026.500
2200 (86.6)	1000 (39.4)	800 (31.5)	8028.500
2200 (86.6)	600 (23.6)	800 (31.5)	8628.500
2200 (86.6)	800 (31.5)	800 (31.5)	8828.500
Double-Door			
1400 (55.1)	1200 (47.2)	600 (23.6)	8246.500
1400 (55.1)	1200 (47.2)	800 (31.5)	8248.500
1600 (63.0)	1200 (47.2)	600 (23.6)	8266.500
1600 (63.0)	1200 (47.2)	800 (31.5)	8268.500
1800 (70.9)	1600 (63.0)	400 (15.7)	8901.210
1800 (70.9)	1600 (63.0)	500 (19.7)	8901.220
1800 (70.9)	1600 (63.0)	600 (23.6)	8901.230
1800 (70.9)	1800 (70.9)	400 (15.7)	8901.250
1800 (70.9)	1800 (70.9)	500 (19.7)	8901.260
1800 (70.9)	1800 (70.9)	600 (23.6)	8901.270
2200 (86.6)	1200 (47.2)	800 (31.5)	8228.500
FMD			
1400 (55.1)	1000 (39.4)	500 (19.7)	8945.500
1400 (55.1)	800 (31.5)	500 (19.7)	8945.580
1600 (63.0)	800 (31.5)	500 (19.7)	8965.500
1600 (63.0)	800 (31.5)	600 (23.6)	8966.500
1800 (70.9)	1000 (39.4)	500 (19.7)	8980.500
1800 (70.9)	1600 (63.0)	400 (15.7)	8901.600
1800 (70.9)	1600 (63.0)	500 (19.7)	8901.610
1800 (70.9)	1800 (70.9)	400 (15.7)	8901.620
1800 (70.9)	1800 (70.9)	500 (19.7)	8901.630
1800 (70.9)	1800 (70.9)	600 (23.6)	8901.640
2000 (78.7)	1000 (39.4)	500 (19.7)	8995.500
2000 (78.7)	1000 (39.4)	600 (23.6)	8996.500
2000 (78.7)	1600 (63.0)	500 (19.7)	8901.650
2000 (78.7)	1600 (63.0)	600 (23.6)	8901.660
2000 (78.7)	1600 (63.0)	800 (31.5)	8901.670
2000 (78.7)	1800 (70.9)	500 (19.7)	8901.680
2000 (78.7)	1800 (70.9)	600 (23.6)	8901.690
2000 (78.7)	800 (31.5)	800 (31.5)	8908.500
2200 (86.6)	800 (31.5)	600 (23.6)	8926.500
2200 (86.6)	1000 (39.4)	500 (19.7)	8958.500

Dimensions mm (inches)			Part No. TS
Height	Width	Depth	Sheet steel
Electronic Enclosures			
Single-Door			
1800 (70.9)	600 (23.6)	800 (31.5)	8688.500
1800 (70.9)	800 (31.5)	800 (31.5)	8888.500
1800 (70.9)	1000 (39.4)	800 (31.5)	8088.500
2000 (78.7)	400 (15.7)	500 (19.7)	8405.500
2000 (78.7)	1000 (39.4)	600 (23.6)	8006.530
2000 (78.7)	1000 (39.4)	800 (31.5)	8008.530
2200 (86.6)	600 (23.6)	500 (19.7)	8625.500
2200 (86.6)	800 (31.5)	500 (19.7)	8825.500
2200 (86.6)	1000 (39.4)	500 (19.7)	8058.500
2200 (86.6)	400 (15.7)	600 (23.6)	8426.500
Double-Door			
1800 (70.9)	1600 (63.0)	800 (31.5)	8901.240
1800 (70.9)	1200 (47.2)	800 (31.5)	8288.500
1800 (70.9)	1800 (70.9)	800 (31.5)	8901.280
2000 (78.7)	1600 (63.0)	600 (23.6)	8901.400
2000 (78.7)	1600 (63.0)	500 (19.7)	8901.290
2000 (78.7)	1800 (70.9)	500 (19.7)	8901.420
2000 (78.7)	1800 (70.9)	600 (23.6)	8901.430
2000 (78.7)	1600 (63.0)	800 (31.5)	8901.410
2000 (78.7)	1800 (70.9)	800 (31.5)	8901.440
2200 (86.6)	1200 (47.2)	500 (19.7)	8225.500
Type 4 Enclosures			
Single-Door			
1800 (70.9)	600 (23.6)	600 (23.6)	8686.640
1800 (70.9)	800 (31.5)	600 (23.6)	8886.640
2000 (78.7)	600 (23.6)	600 (23.6)	8606.640
2000 (78.7)	800 (31.5)	600 (23.6)	8806.640
Dimensions mm (inches)			Part No. TS
Height	Width	Depth	Stainless steel
Type 4X Enclosures			
Single-Door			
1800 (70.9)	600 (23.6)	600 (23.6)	8458.640
1800 (70.9)	800 (31.5)	600 (23.6)	8459.640
2000 (78.7)	600 (23.6)	600 (23.6)	8452.640
2000 (78.7)	800 (31.5)	600 (23.6)	8450.640



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Electronic enclosure

Dimensions mm (inches)			Part No. TS8	Page
Height	Width	Depth		
1600 (63.0)	600 (23.6)	600 (23.6)	8410.510	148
1600 (63.0)	600 (23.6)	800 (31.5)	8418.510	148
2000 (78.7)	600 (23.6)	600 (23.6)	8430.510	148
2000 (78.7)	600 (23.6)	800 (31.5)	8438.510	148

Approvals:

- UL
- C-UL



For modular front design

Dimensions mm (inches)			Part No. TS	Page
Height	Width	Depth		
2000 (78.7)	600 (23.6)	600 (23.6)	8606.512	149
2000 (78.7)	800 (31.5)	600 (23.6)	8806.512	149



FMD enclosures

Dimensions mm (inches)			Part No. TS	Page
Height	Width	Depth		
1800 (70.9)	800 (31.5)	400 (15.7)	8984.500	150
1800 (70.9)	800 (31.5)	500 (19.7)	8985.500	150
2000 (78.7)	800 (31.5)	500 (19.7)	8905.500	150
2000 (78.7)	800 (31.5)	600 (23.6)	8906.500	150

Approvals:

- UL
- C-UL



IP 65/NEMA 4X, NEMA 4

Dimensions mm (inches)			Part No. TS	Page
Height	Width	Depth		
Enclosure				
NEMA 4X, stainless steel				
1800 (70.9)	600 (23.6)	600 (23.6)	8458.640	151
1800 (70.9)	800 (31.5)	600 (23.6)	8459.640	151
2000 (78.7)	600 (23.6)	600 (23.6)	8452.640	151
2000 (78.7)	800 (31.5)	600 (23.6)	8450.640	151
NEMA 4, sheet steel				
1800 (70.9)	600 (23.6)	600 (23.6)	8686.540	151
1800 (70.9)	800 (31.5)	600 (23.6)	8886.540	151
2000 (78.7)	600 (23.6)	600 (23.6)	8606.540	151
2000 (78.7)	800 (31.5)	600 (23.6)	8806.540	151

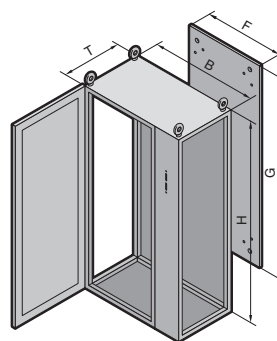
For additional sizes and part numbers, please refer to the back of the catalog.

Approvals:

- UL
- C-UL

TS8 Modular Enclosure Systems

FMD Enclosures



Material:

Enclosure frame, roof, rear wall and gland plates:
1.5 mm (16 ga) sheet steel
Door and trim panel:
2.0 mm (14 ga)
Mounting panel:
3.0 mm (11 ga)

Finish:

Enclosure frame:
Dipcoat-primed
Door, trim panel, roof and rear wall:
Dipcoat-primed, powder-coated on the outside in textured RAL 7035 (light gray)
Mounting panel and gland plates:
Zinc-plated

Protection ratings:

IP 55 to EN 60 529/10.91
NEMA Type 12 (with fitted disconnect handle installed)

Note:

Universal cutout accepts operator handles up to 200A. For applications above 200A contact your local Rittal representative.

Configuration:

Enclosure frame, door (left hinged), trim panel (right hinged, with a swing lever at the top and bottom with cutout for FMD handle), roof, rear wall, mounting panel, three piece gland plates.
Includes handle interlocking kit 8611.310.

Certifications,
see page 30.

Height (H) in mm (inches)	PU	1400 (55.1)	1400 (55.1)	1600 (63.0)	1600 (63.0)	1800 (70.9)	1800 (70.9)	1800 (70.9)	1800 (70.9)	1800 (70.9)	1800 (70.9)	Page
Width (B) in mm (inches)		1000 (39.4)	800 (31.5)	800 (31.5)	800 (31.5)	1000 (39.4)	1600 (63.0)	1600 (63.0)	1800 (70.9)	1800 (70.9)	1800 (70.9)	
Depth (T) in mm (inches)		500 (19.7)	500 (19.7)	500 (19.7)	600 (23.6)	500 (19.7)	400 (15.8)	500 (19.7)	400 (15.8)	500 (19.7)	600 (23.6)	
Mounting panel height (G1) in mm (inches)		1296 (51.0)	1296 (51.0)	1496 (58.9)	1496 (58.9)	1696 (66.8)	1696 (66.8)	1696 (66.8)	1696 (66.8)	1696 (66.8)	1696 (66.8)	
Mounting panel width (F1) in mm (inches)		899 (35.4)	699 (27.5)	699 (27.5)	699 (27.5)	899 (35.4)	1499 (59)	1499 (59)	1699 (66.9)	1699 (66.9)	1699 (66.9)	
Part No. TS	1	8945.500	8945.580	8965.500	8966.500	8980.500	8901.600	8901.610	8901.620	8901.630	8901.640	
Door(s)		2	2	2	2	2	2	2	2	2	2	
Weight in kg (lb)		92.3 (203.4)	73.8 (162.7)	84.3 (185.9)	101.2 (223.1)	118.6 (261.5)	151.8 (334.7)	189.8 (418.4)	170.8 (376.5)	213.5 (470.7)	256.2 (564.8)	

Walls

Sidewalls	2	8145.235	8145.235	8165.235	8166.235	8185.235	8184.235	8185.235	8184.235	8185.235	8186.235	853
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Base/plinth

Components from and rear in mm (inches)	Height 100 mm (3.9")	1 set	8601.000	8601.800	8601.800	8601.800	8601.000	8901.900	8901.900	8901.920	8901.920	8901.920	835
	Height 200 mm (7.9")	1 set	8602.000	8602.800	8602.800	8602.800	8602.000	8901.910	8901.910	8901.930	8901.930	8901.930	835
Side panels in mm (inches)	Height 100 mm (3.9")	1 set	8601.050	8601.050	8601.050	8601.060	8601.050	8601.040	8601.050	8601.040	8601.050	8601.060	835
	Height 200 mm (7.9")	1 set	8602.050	8602.050	8602.050	8602.060	8602.050	8602.040	8602.050	8602.040	8602.050	8602.060	835

Accessories

Slave door interlocking kit	1						4911.000					892
Interlocking Rods 600 mm (23.6")	10						4916.000					892
Interlocking Rods 800 mm (31.5")	10						4918.000					892
Interlocking Rods 1200 mm (47.2")	10						4920.000					892

Lock systems

Standard double-bit lock insert may be exchanged for other lock inserts and comfort handle, see pages 881 – 882.