

Rittal – The System.

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Rittal NEMA 12 Network Enclosures— Taking IT Beyond the Data Center



Advances in manufacturing operations coupled with increased requirements to integrate complex IT-dependent processes onto the factory floor have created an ever-expanding demand for moving IT components outside the traditional data center and into much less friendly environments. To meet the demands for both IT performance and industrial-grade protection, Rittal has created a NEMA Type 12 rated series of its field-proven TS8 enclosures that incorporates the best of both worlds – the protection of rugged industrial enclosures and the performance of Rittal's IT rack systems. These NEMA Type 12 network enclosures are compatible with a range of both industrial and IT accessories as well as Rittal industrial cooling products – including filter fans and air conditioners – engineered to keep IT equipment up and running while maintaining the critical NEMA protection rating.

NEMA Type 12 network enclosures are designed to meet real-world challenges while providing user friendly solutions, including infinitely depth-adjustable 19" rails printed with "U" measurements front and rear for easy positioning. Tool-less assembly techniques have been included throughout for a host of accessories and cable management options. The 19" rails can support up to 3,200 lbs. and the units feature internal hinges and locking points for added security.

Multi-Fold Frame Design

- Torsion-free steel frame for strength and rigidity
- Multiple internal surfaces and points for mounting
- Maximum internal volume for footprint
- External access to all installation points for doors, walls and baying
- Maximum load bearing capacity of 3,200 lbs

19" Mounting Rails

- Infinitely depth adjustable; maintain load capacity regardless of rail position
- Floating installation system: 19" rails installed independent of the frame or lateral supports; can be adjusted individually
- "Z" shaped, multi-fold profile; provides high load bearing capacity and multiple mounting surfaces
- 19" mounting in 24" wide cabinets, 19" and 23" mounting in 32" wide cabinets
- "U" markings on the front and rear surfaces of each rail

Doors and Walls

- Secure to external surfaces of frame
- Doors easily removed or reversed
- Sidewalls can be screwed on, locked in place
- Internal door hinge and lock points for maximum security
- Door stiffener to stabilize door and provide additional mounting surfaces
- Ground studs on all surfaces
- External surfaces do not impact load bearing capacity—same ratings with or without sidewalls
- Available in RAL 7035 (light grey) or RAL 9005 (black)

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES



FRIEDHELM LOH GROUP

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Note: Imperial measurements are approximate, metric measurements are exact.

Doors and walls:

- Secure to external surfaces of frame
- Doors can be easily removed or reversed
- Internal door hinge and lock points for maximum security

Vertical mounting rails:

- Fully depth adjustable, maintain load capacity regardless of where the rails are positioned
- Floating installation system; vertical rails are not secured to frame members or lateral support channels, can be adjusted independently

- "Z" shaped, multi-fold profile; high load bearing capacity and multiple mounting surfaces
- U markings on front and rear surfaces of each rail
- Unique rail design allows for up to 32U in the zero "U" space
- Each cabinet includes M6 Cage Nuts with insertion tool (bag of 50) and M6 Mounting screws with plastic washers (bag of 100)

Configuration

- One set of 19" (482.6 mm) EIA rails, front & rear
- Leveling feet

Note:

23" mounting capacity on 24" (800 mm) wide cabinets

Detailed drawings:

Available at www.rittal.us

Rack Units	H x W x D inches (mm)	Color	Enclosure Part Number	Sidewalls
24U	48 x 24 x 24 (1200 x 600 x 600)	RAL 7035 Light Grey	9969.876	8170.235
		RAL 9005 (Black)	9969.877	9969.948
	48 x 24 x 32 (1200 x 600 x 800)	RAL 7035 Light Grey	9969.884	8175.235
		RAL 9005 (Black)	9969.885	9969.949
	48 x 32 x 32 (1200 x 800 x 800)	RAL 7035 Light Grey	9969.886	8175.235
		RAL 9005 (Black)	9969.887	9969.949
42U	79 x 24 x 24 (2000 x 600 x 600)	RAL 7035 Light Grey	9969.880	8106.235
		RAL 9005 (Black)	9969.881	9969.920
	79 x 24 x 32 (2000 x 600 x 800)	RAL 7035 Light Grey	9969.892	8108.235
		RAL 9005 (Black)	9969.893	9969.916
	79 x 32 x 32 (2000 x 800 x 800)	RAL 7035 Light Grey	9969.894	8108.235
		RAL 9005 (Black)	9969.895	9969.916
47U	87 x 24 x 24 (2200 x 600 x 600)	RAL 7035 Light Grey	9969.882	8126.235
		RAL 9005 (Black)	9969.883	9969.917
	87 x 24 x 32 (2200 x 600 x 800)	RAL 7035 Light Grey	9969.896	8128.235
		RAL 9005 (Black)	9969.897	9969.352
	87 x 32 x 32 (2200 x 800 x 800)	RAL 7035 Light Grey	9969.898	8128.235
		RAL 9005 (Black)	9969.899	9969.352

Rittal Corporation

Urbana, Ohio • Schaumburg, Illinois • Houston, Texas • Sparks, Nevada • USA

Toll-free: 800-477-4000 • Fax: 800-477-4003 • Email: rittal@rittal.us • Online: www.rittal.us