Rittal – The System.

Faster – better – everywhere.

Power Isolation Solutions

Arc Flash Prevention Starts Here

Safety and machine up time are two of the most important considerations on the production floor, especially when it comes to high-current electrical equipment. To lessen concern of these critical factors on engineers and service personnel, the brain trust at Rittal has developed a technology that minimizes the risk of arc flash explosions in the smart, highly engineered way that only Rittal can.

When considering safety and design flexibility during the planning stage, Rittal's Power Isolation Enclosure solutions provide the capability to isolate high- and low-voltage equipment within the confines of their respective enclosure, assisting in compliance with NFPA 70E work place safety standards.

- Rittal's off-the-shelf power isolution solutions decrease the risk of personnel being exposed to arc flash and related injuries
- Rittal's solutions provide the capability to isolate low-voltage equipment and components used for programming, data acquisition, and system adjustment from high voltage components
- High-voltage line-side power is isolated within its own disconnect switch enclosure
- Accessories, such as external fold-down shelves, external data pockets, and interface flaps and extensions, allow for data retrieval, equipment monitoring, and routine maintenance to be performed externally without exposure to arc flash hazards
- Customizable configurations and solutions from standard components provide an unlimited choice of low-voltage and high-voltage cabinet combinations to suit your specific application

Part Number Explanation

	Height		Width (add numbers)			Depth
TS	83	R	32C	40P	16R	20
Product Family	Overall Height in Inches (Approximate)	Rittal System	Enclosure Width in Inches (Approximate) followed by Control (Low Voltage) and Power (High Voltage) Suffix P=Power=High Voltage C=Control=Low Voltage (<50 volts) PC=Power and Control (High and Low Voltage) combined		Isolation Enclosure Width in Inches (Approximate)	Overall Depth in Inches (Approximate)

Preconfigured Solutions — Control and Power Combined

Part Number	Description	Overall HxWxD (mm)	Panel Dimensions High/Low Voltage Enclosure HxW (mm)	Panel Dimensions Isolation Enclosure HxW (mm)
TS83R32PC16R20	1 Door Enclosure (1 Door for High and Low Voltage Combined)	2100x1200x500	1900x700	1900x300
TS83R40PC16R20		2100x1400x500	1900x900	1900x300
TS83R32PC16R24		2100x1200x600	1900x700	1900x300
TS83R40PC16R24		2100x1400x600	1900x900	1900x300
TS90R32PC16R24		2300x1200x600	2100x700	2100x300
TS83R71PC16R20	2 Door Enclosure (2 Doors for High and Low Voltage Combined)	2100x2200x500	1900x1700	1900x300
TS83R71PC16R24		2100x2200x600	1900x1700	1900x300
TS90R71PC16R24*		2300x2200x600	(1) 2100x900; (1) 2100x700*	2100x300
*(2) bayed enclosures for low/high voltage cabinet				

Preconfigured Solutions — Control and Power Separated by Partition Wall Barrier

Part Number	Description	Overall HxWxD (mm)	Panel Dimensions Control Voltage Enclosure HxW (mm)	Panel Dimensions High Voltage Enclosure HxW (mm)	PanelDimensions Isolation Enclosure HxW (mm)
TS83R24C32P16R20	2 Door Enclosure (1 Door Control Voltage; 1 Door High Voltage)	2100x1800x500	1900x500	1900x700	1900x300
TS83R24C40P16R20		2100x2000x500	1900x500	1900x900	1900x300
TS83R24C32P16R24		2100x1800x600	1900x500	1900x700	1900x300
TS83R24C40P16R24		2100x2000x600	1900x500	1900x900	1900x300
TS90R24C32P16R24		2300x1800x600	2100x500	2100x700	2100x300
TS83R24C71P16R20	3 Door Enclosure (1 Door Control Voltage; 2 Doors High Voltage)	2100x2800x500	1900x500	1900x1700	1900x300
TS83R24C71P16R24		2100x2800x600	1900x500	1900x1700	1900x300
TS90R24C71P16R24*		2300x2800x600	2100x500	(1) 2100x700; (1) 2100x900*	2100x300
*(2) bayed enclosures for high voltage cabinet					

Customizable Solutions Contact your Rittal Distributor or local representative for a solution that meets your precise needs.

Digit Description	Product Family	Overall Height in Inches	Rittal System	Low Voltage Enclosure Width in Inches	High Voltage Enclosure Width in Inches	Enclosure Width in Inches	Overall Depth in Inches
Available Options for 83" (2100 mm) Height Enclosure	TS	83"	R	24C=24"	32P=32"	16R=16"	20"
				32C=32"			
				40C=40"	40P=40"		24"
				48C=48"			
				63C=63"	63P=63"		
				71C=71"	71P=71"		
Available Options for 90" (2300 mm) Height Enclosure	TS	90"	R	24C=24"	32P=32"*	16R=16"	24"
				32C=32"			
				40C=40"			
				48C=48"			
*32" wide enclosure required; additional 32", 40", or 48" wide enclosures can be bayed to expand overall width							

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