

AC current supply for laboratories **BRS**



General Data

Rated input voltage 230 Vac
Rated output voltage 0 - 250 Vac
Rated power 400 - 2200 VA
Insulation class B
Maximum ambient temperature 40 °C
Efficiency up to 93 %
Internal resistance 1.80 - 4.96 Ohms
Self-cooling

Advantages

Limited short-circuit protection
Digital current and voltage display
Switchable output indicator (effective power/apparent power) through touchscreen
Output circuit breakers may be operated from the front
Plug-in rack for installation in 19 inches cabinets
Mains connecting lead and socket

Applications

Isolating transformer with controllable output voltage for use in the laboratory.

Standards

Isolating transformer
to: VDE 0570 Teil 2-4, VDE 0411 Teil 1, DIN EN 61558-2-4, EN 61558-2-4,
EN 61010-1, IEC 61558-2-4, IEC 61010-1



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		BRS 400	BRS 1000	BRS 2200	
Electrical data	Type				
	Input				
	Rated input voltage	230 Vac	230 Vac	230 Vac	
	Frequency range	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	
	Output				
	Rated output voltage	0 - 250 Vac	0 - 250 Vac	0 - 250 Vac	
	Rated Power	400 VA	1000 VA	2200 VA	
	Efficiency	92 %	93 %	89 %	
	Environment				
	Cooling method	by self-cooling	by self-cooling	by self-cooling	
	Safety and protection				
	Type	encapsulated in metal housing	encapsulated in metal housing	encapsulated in metal housing	
	Internal impedance	4.96 Ω	2.25 Ω	1.80 Ω	
	Class of Insulation System	B	B	B	
	Test voltage	3750 Vac, 50 Hz	3750 Vac, 50 Hz	3750 Vac, 50 Hz	
Protection index	IP 20	IP 20	IP 20		
Safety class	I	I	I		
Short circuit strength	non-inherently short-circuit proof	non-inherently short-circuit proof	non-inherently short-circuit proof		
Order numbers					
Order Number	BRS 400	BRS 1000	BRS 2200		
Mechanical data	Terminal and mounting				
	Terminals PRI	Mains connecting cable with safety plug	Mains connecting cable with safety plug	Mains connecting cable with safety plug	
	Terminals SEC	Protective contact socket	Protective contact socket	Protective contact socket	
	Measures and weights				
	Wide	487 mm	487 mm	487 mm	
	Weight	13.00 kg	20.00 kg	45.00 kg	
	Height	143.5 mm	210 mm	210 mm	
	Depth	300 mm	300 mm	300 mm	

1.1

1.2

1.3

1.4

1.5