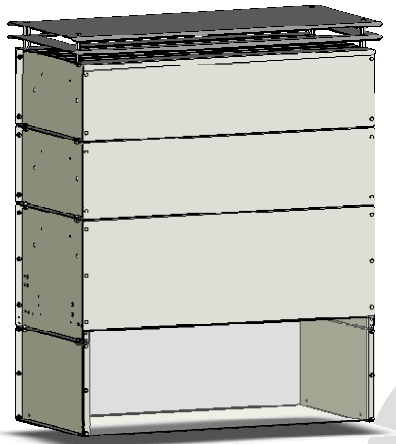



Series:

STG - Steel Grid Resistor unit 33 kW up to 48 kW



Applications:

As braking and chopper resistors
 In variable-speed drives
 In lifts and conveyors
 In the printing and paper industries
 In the packing, plastics and textile industries and
 In machine construction
 In the wire and wood processing industries

Type	STG 342			
Pulse power in kW $T_a=40^\circ\text{C}$	c.d.f. 5%*	528,00	462,00	363,00
	c.d.f. 10%*	288,00	252,00	198,00
	c.d.f. 20%*	148,80	130,20	102,30
	c.d.f. 40%*	91,20	79,80	62,70
Continuous rating in kW $T_a=40^\circ\text{C}$	48,00	42,00	33,00	
Degree of protection (DIN EN 60529)	IP 20	IP 23 DD	IP 23	
Resistance values	0,60 - 17 Ω			
Tolerance of resistance	$\pm 10\%$			
Connection	Bolt clamp M6, M8, M10, M12 depending on electricity			
Housing temperature at nominal rating $T_a=40^\circ\text{C}$	$\leq 250^\circ\text{C}$			
Cooling	Natural convection			
Storage temperature	-25 ... +85 $^\circ\text{C}$			
Test voltage	3,5kV AC			
Max. permissible operating voltage	1000V			
Approvals	UL possible			
Mounting positions				

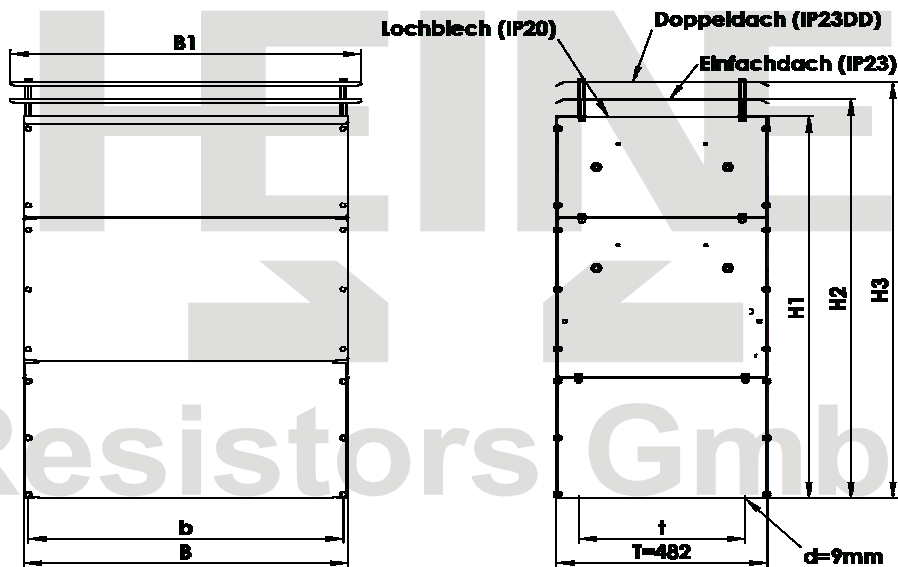
*referred to a cycle duration of 120s

subject to technical modifications

Series:
STG - Steel Grid Resistor unit 48kW up to 60kW

Construction:
Steel-grid resistors consist of resistor elements made of high-alloy, heat resistant sheet steel. Both sides of the resistor elements are slotted such that meander-shaped, conducting paths (webs) are formed. The resistance value is determined by the width of the web.
The longitudinal sides of the elements are stiffened by stainless steel bars mounted on micaite strips. Up to 40 resistor elements are mounted on studs which are insulated using mica tubes. Every two adjacent elements are insulated by ceramic bushings, current conduction is ensured by stainless steel rolls.

Drawing:



name	width in mm		high in mm	mounting b x t	average weight
	B	B1	H		in kg
IP 20	940	1000	1197	920 x 380	113
IP 23			1240		119
IP 23 DD			1283		120