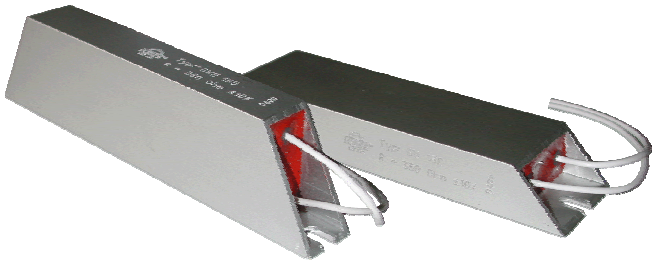
DATA SHEET

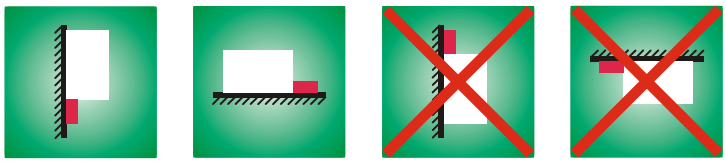
Series:

GW/GWH-40x20
Compact Resistor



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

Types		GW/GWH 160 40 x 20	GW/GWH 240 40 x 20	GW/GWH 300 40 x 20
Pulse power T_U=25°C	**c.d.f. 5%***	700 W	1.200 W	2.000 W
	c.d.f. 10%*	350 W	600 W	1.000 W
	c.d.f. 20%*	175 W	300 W	500 W
	c.d.f. 40%*	90 W	150 W	250 W
Continuous rating at T_U=25°C		50 W	100 W	150 W
Mean energy absorption capacity 5% - 40% c.d.f.		4,2 kWs	7,2 kWs	12 kWs
Weight		0,26 kg	0,43 kg	0,55 kg
Resistance values		15 – 560 Ω	33 -1.230 Ω	45 – 1.680 Ω
Resistance tolerance		± 10%		
Connection		2 x AWG 14		
Degree of protection (DIN EN 60529)		IP 65		
Housing temperature at nominal rating T_U=25°C		ca. 180 °C		
Cooling		natural convection		
Storage temperature		-25 … +85 °C		
Insulation resistance		≥ 10 MΩ		
Test voltage		= 4,5 kV AC		
Max. permissible operating voltage		≤ 1,0 kV		
Temperature coefficient of resistance material		+300 … +400 10^{-6}/K		
Inductance at 100 kHz		3 … 300 µH		
Approvals		UL, CSA		
Mounting positions				

* referred to a cycle duration of 120s

Subject to technical modifications

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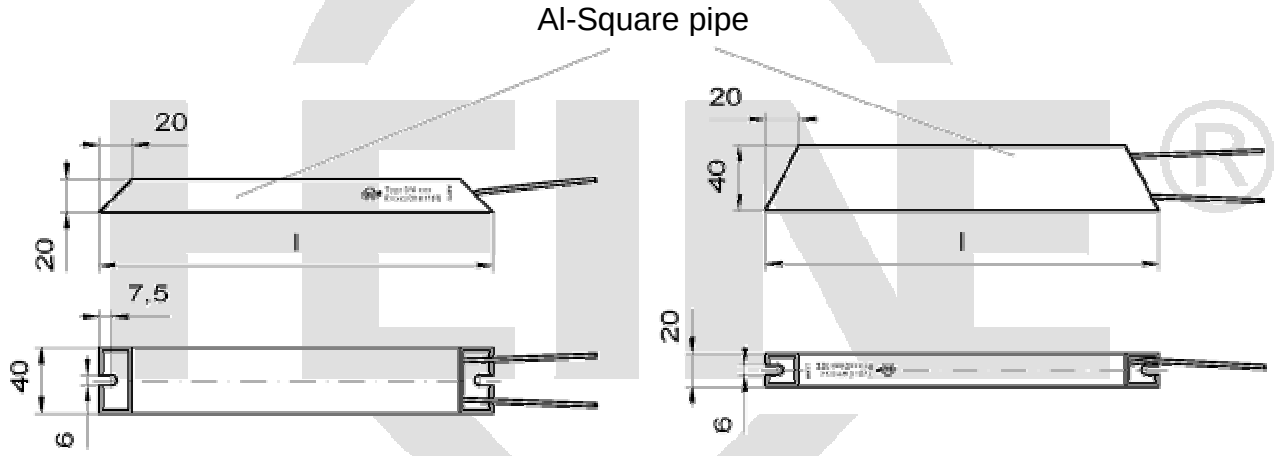
The compact, intrinsically safe type series uses a high-quality resistance alloy which is embedded in a special ceramic base contained in an extruded sectional aluminium housing. This design ensures the unit's high energy absorption capacity. The high degree of protection is achieved by the use of a (permanently) elastic sealing compound.

Drawing:



Subject to technical modifications

Dimensions:

GW 160:	160 x 40 x 20 (LxWxH)	**GWH 160:**	160 x 40 x 20 (LxHxW)
GW 240:	240 x 40 x 20 (LxWxH)	**GWH 240:**	160 x 40 x 20 (LxHxW)
GW 300:	300 x 40 x 20 (LxWxH)	**GWH 300:**	160 x 40 x 20 (LxHxW)

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