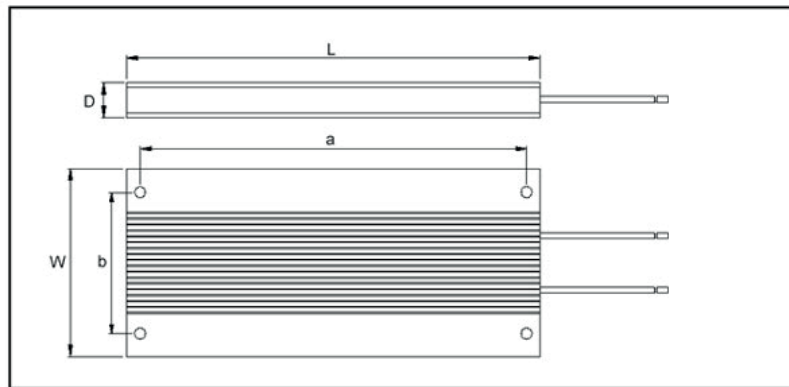




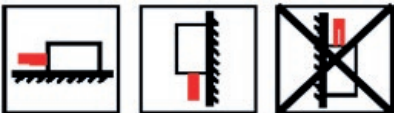
## ALUMINIUM CASE BRAKING RESISTORS MODEL HPRF

### TECHNICAL DESIGN



### GENERAL FEATURES

The resistors of the HPRF series are high-power resistors in an aluminium casing. HPRF resistors are intrinsically safe and short circuit-proof resistors for the operation in frequency converters. Due to their compact shape, further possibilities of application are possible. The best results are reached when the resistors can be mounted directly on a dissipator. Their form and design guarantee the maximal produce of the active material to reach an increased impulse stability as well as a high nominal permanent power at the same time. All materials are incombustible. The winding wire is in a water-proof cement core which furthermore reaches a high thermal conductivity and a high insulation.

STYLE	All dimensions in mm						
	L	a	W	b	D	Lead lenght	Fixing holes
HPRF 250	110	98	80	90	15	495	4,5 Ø
HPRF 500	216	204	80	60	15	495	4,5 Ø
Mounting position							

## GENERAL FEATURES

Technical data:		HPRF 250	HPRF 500
Resistance range	$\Omega$	47R 200R	12R 200R
Resistance tolerances	%	5	
Temperature coefficient	$10^{-6} K^{-1}$	< 200	
Insulation resistance	M $\Omega$	$\geq 100$ (U = 1000 V <sub>DC</sub> )	
Operating voltage U <sub>b</sub>	V <sub>AC</sub> f=50Hz	$\leq 700$ ( $\leq 1000$ V <sub>DC</sub> )	
Testing voltage U <sub>p</sub>	V <sub>AC</sub> f=50Hz 1min.	$\leq 4000$	
Power rating P <sub>20</sub>	W	ED 100% = 100 W ED 35% = 250 W	ED 100% = 200W ED 35% = 500 W
Protection level	-	IP 65	
Kind of terminals	-	Strands 495 mm	
Ability to tractive power of terminals	N	100	
Weight	g (ca.)	280	550