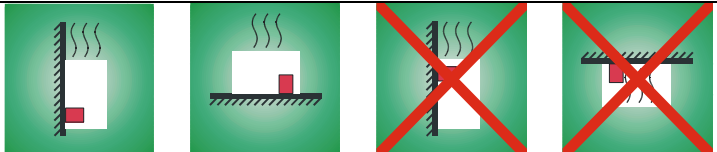


Type:
RFB – frame fixed resistor unit 3 up to 6 kW
with terminal box B



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		RFB 3-7	RFB 4-7	RFB 5-7	RFB 6-7
Pulse power in kW $T_a=25^\circ\text{C}$	c.d.f. 6%*	28,5	38,0	47,5	57,0
	c.d.f. 15%*	14,7	19,6	24,5	29,4
	c.d.f. 25%*	9,6	12,8	16,0	19,2
	c.d.f. 40%*	5,5	7,0	8,5	10,0
	c.d.f. 60%*	4,5	6,0	7,5	9,0
Continuous rating in kW at $T_a=25^\circ\text{C}$		3,0	4,0	5,0	6,0
Resistance values		180 Ω	140 Ω	110 Ω	90 Ω
Resistance tolerance		$\pm 10\%$			
Connection		BKL pillar terminal block two-pole 2,5 mm ² max. 24 A BKL10 pillar terminal block two-pole 10 mm ² max. 57 A RKL4 modular terminals 4 mm ² + protective grounding line-up terminal 4 mm ² max. 32 A (EN)			
Degree of protection (DIN EN 60529)		IP 20 in according to screwed on condition			
Housing temperature at nominal rating $T_a=25^\circ\text{C}$		$\leq 250^\circ\text{C}$			
Cooling		natural convection			
Storage temperature		-25 ... +85 $^\circ\text{C}$			
Test voltage		2,5 kV AC			
Max. permissible operating voltage		800 V			
Approvals		UL possible			
Mounting positions					

* referred to a cycle duration of 120 s

Subject to technical modifications

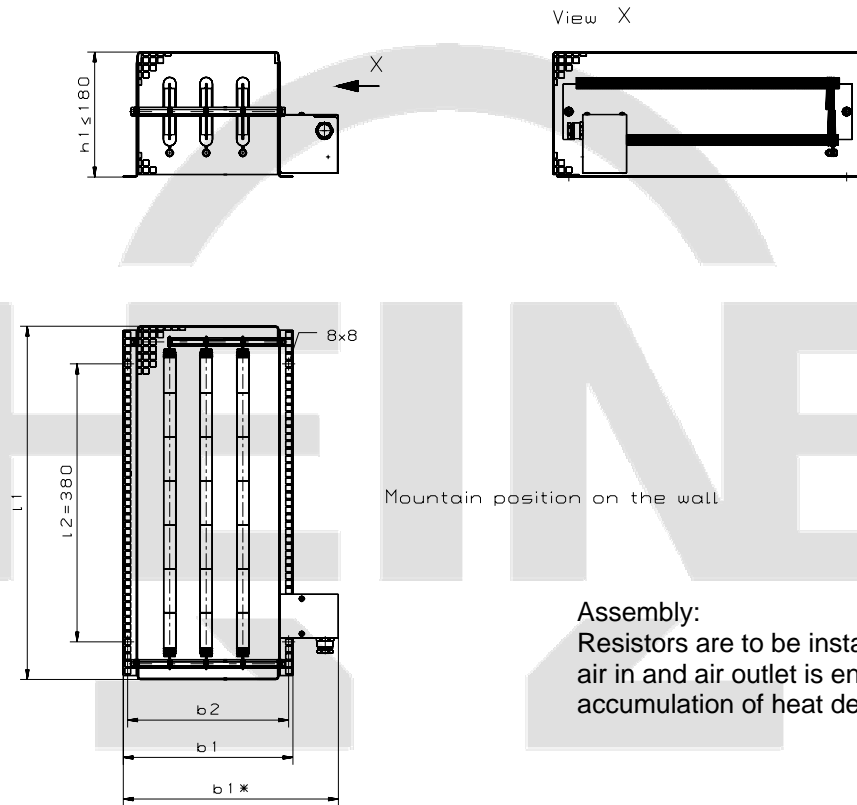
Type:
RFB – frame fixed resistor unit 3 up to 6 kW

Construction:

Resistor frame consists of grooved ceramic insulators fixed on both longitudinal sides of a metal or temperature-resistant insulating material. The resistance wire is a NiCr alloy or CuNi 44. Different combination options of framework fixed resistors are possible in one housing. The housing is galvanized.

Framework fixed resistors with temperature-steady insulators as substrate are characterised in the Chopper operation by small inductance, lack of noise and high insulation voltage.

Drawing:



Assembly:
 Resistors are to be installed unhindered air in and air outlet is ensured and no accumulation of heat develops.

Subject to technical modifications

Dimensions:

Types	weight in kg	width in mm		width b2 in mm	length l1 in mm
		b1 (RF...) ≤	b1* (RFB...) ≤		
RFB 3-7	5,5	240	295	220	490
RFB 4-7	7,0	290	345	270	490
RFB 5-7	8,5	340	395	320	490
RFB 6-7	10,0	390	445	370	490