


DATA SHEET

Type:
RFB – frame fixed resistor unit 14 up to 18 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 14-7	RFB 16-7	RFB 18-7
Pulse power in kW $T_a=25^\circ\text{C}$	ED 6%*	133,0	152,0	171,0
	ED 15%*	68,6	78,4	88,2
	ED 25%*	44,8	51,2	57,6
	ED 40%*	30,8	35,2	39,6
	ED 60%*	21,0	24,0	27,0
Continuous rating in kW at $T_a=25^\circ\text{C}$		14,0	16,0	18,0
Resistance values		46 Ω	40 Ω	36 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

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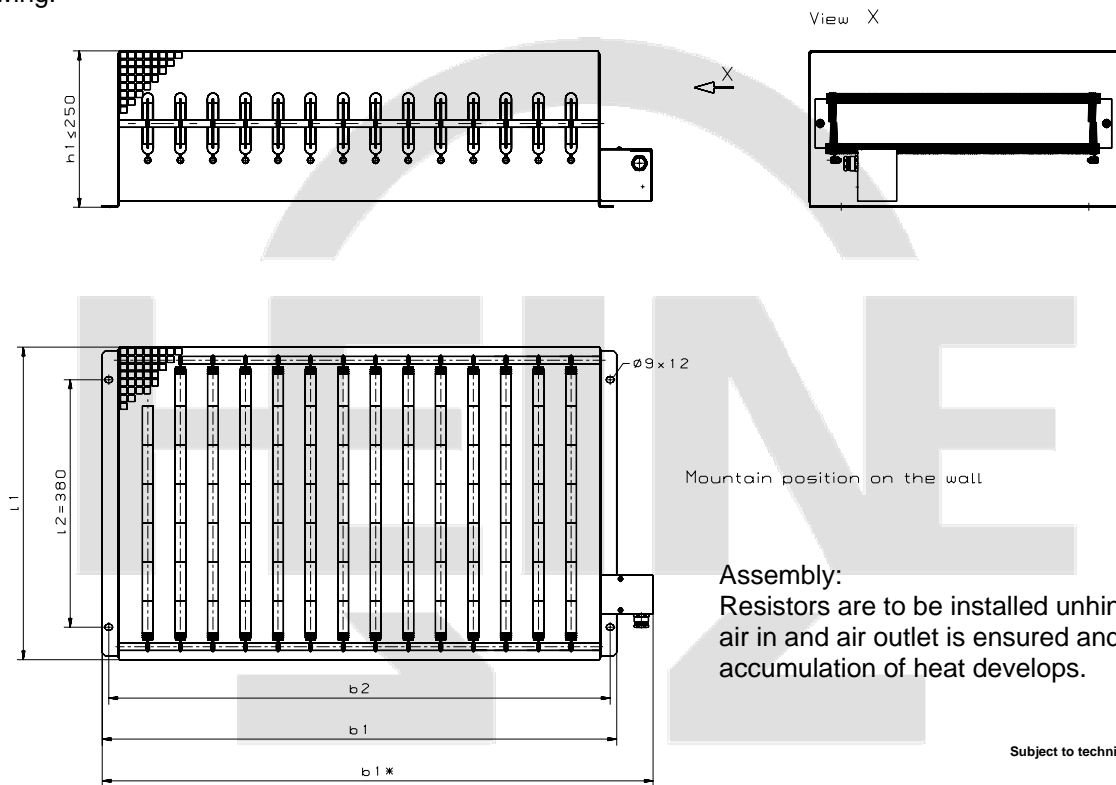
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Construction:

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:



Resistors GmbH

Dimensions:

Types	weight in kg	width in mm		width b2 in mm	length l1 in mm
		b1 (RF...) ≤	b1* (RFB...) ≤		
RFB 14-7	27	795	850	770	490
RFB 16-7	30	895	950	870	490
RFB 18-7	33	995	1050	970	490