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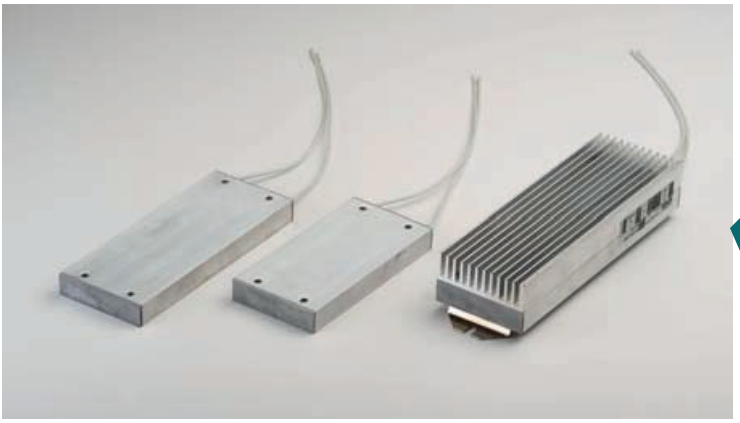


ALUMINIUM CASE BRAKING RESISTORS MODEL ROF

TECHNICAL DESIGN

FIG. 1

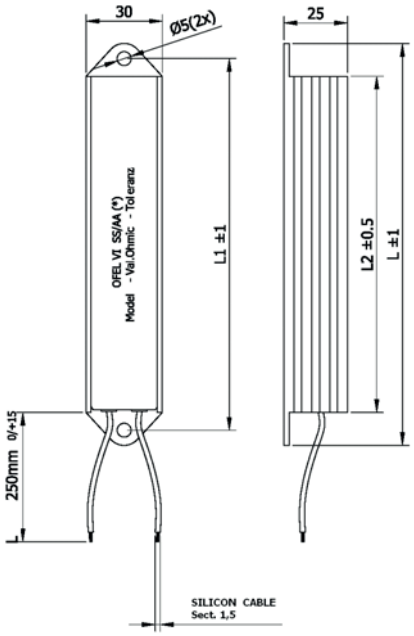


FIG. 2

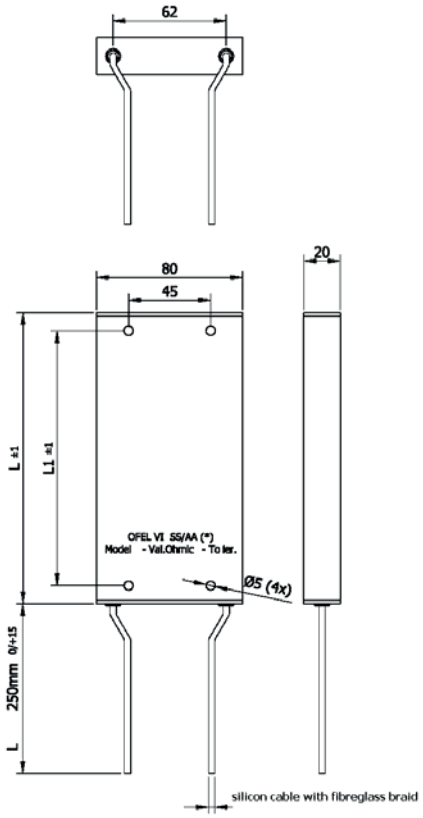
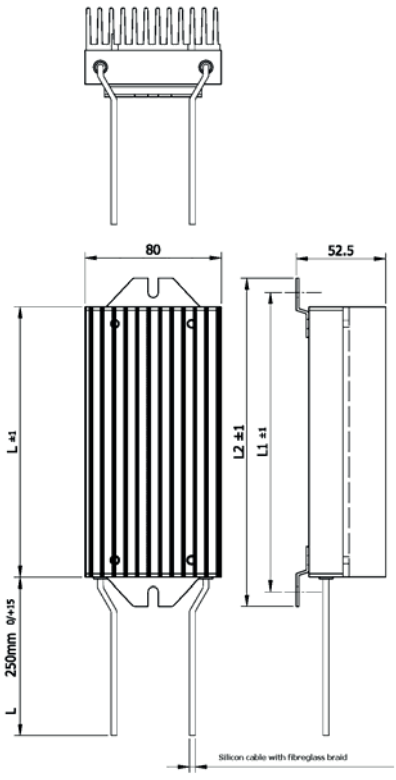


FIG. 3



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GENERAL FEATURES

These are resistors with high quality wire inserted in aluminium containers with a standard level of protection of IP54.
They are produced specifically for integration in command and control equipment for motors, such as INVERTERS, etc.
Ideally, they are mounted in contact with the inverter dissipater or a metallic wall of the cabinet, which ensures maximum performance of the resistors.
The particular shape and construction allows the use of the maximum quantity of the active part, thus providing the possibility to absorb a great quantity of energy for adiabatic impulses and, at the same time, to obtain a high level of nominal power.
All of the materials making up these resistors are fireproof and the winding, in particular, has been immersed in a mass of high thermal conductivity cement, which provides high insulation and is completely insensitive to humidity.

ELECTRICAL CHARACTERISTICS

- Standard tolerance: ± 5%
- Temperature coefficient < 100 ppm/°C
- Maximum tension applicable 1000 V
- Standard length cables 250 mm
- Terminations on cables Cu/Ni with silicone anti-tear protection
- Filling: With high thermal conduction inorganic materials
- Resistive element in alloy with a high content of NICKEL

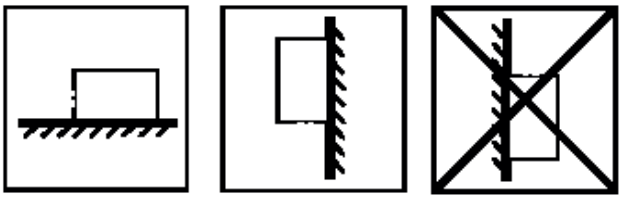
OPTIONAL

- Power cable length as required
- Application of an NC KLIXON type thermal contact
- hm values on request, compatibly with production
- Screened power cables

USE AS ANTI-CONDENSATION HEATERS

These resistors may be used as anti-condensation heaters for electric control panels.
The heating power, in this case, will be declassed with respect to the nominal power stated in the table,

ASSEMBLY INSTRUCTIONS



GENERAL FEATURES

TYPE	ROF 12	ROF 20	ROF 24
Power rating at 25°C	80 W	150 W	200 W
Max Power with heatsink	150 W	280 W	330 W
Heatsink measurement	750 cmq 1 °C/W	1250 cmq 0,7 °C/W	1500 cmq 0,6 °C/W
Absorbed energy in 5" (MILR26)	3600 J	6750 J	9000 J
Standard Ohmic range	5 ÷ 100	5 ÷ 150	5 ÷ 300
Max. Working Voltage	1000 V	1000 V	1000 V
Dielectric strength	3000 V	3000 V	3000 V
Insulation Resistance	100 MΩ	100 MΩ	100 MΩ
Tolerance of resistance	± 5%	± 5%	± 5%
Standard cables lenght	250 mm	250 mm	250 mm
DIMENSIONS (Ref. Drawing)	**Fig . 1**	**Fig. 1**	**Fig. 1**
Dimension "L" mm	112	192	232
Dimension "L1" mm	100	180	220
Dimension "**L2**" mm	88	168	208
Fixing Holes "**Ø**" mm	5	5	5
Weight Kg	0,14	0,22	0,28

TYPE	ROF 35	ROF 50	ROF 65	ROF 80R
Power rating at 25°C	350 W	500 W	600 W	800 W
Max Power with heatsink	700 W	1000 W	1200 W	Complete with Heatsink
Heatsink measurement	4900 cmq 0,3 °C/W	4900 cmq 0,3 °C/W	4900 cmq 0,3 °C/W	
Absorbed energy in 5" (MILR26)	15000 J	22500 J	27000 J	30000 J
Standard Ohmic range	5 ÷ 250	5 ÷ 250	5 ÷250	5 ÷ 250
Max. Working Voltage	1000 V	1000 V	1000 V	1000 V
Dielectric strength	3000 V	3000 V	3000 V	3000 V
Insulation Resistance	100 MΩ	100 MΩ	100 MΩ	100 MΩ
Tolerance of resistance	± 5%	± 5%	± 5%	± 5%
Standard cables lenght	250 mm	250 mm	250 mm	250 mm
DIMENSIONS (Ref. Drawing)	**Fig. 2**	**Fig. 2**	**Fig. 2**	**Fig. 3**
Dimension "L" mm	160	200	240	240
Dimension "L1" mm	140	180	220	254
Dimension "**L2**" mm	195 (*)	235 (*)	/	275
Fixing Holes "**Ø**" mm	5	5	5	6
Weight Kg	0,51	0,62	0,72	1,4

(*) = with Heatsink