

Technical data

TYPE GR/MOD

DESCRIPTION							
Technology type	Alloy Type	Cabinet Model	R at 20 Degrees	Mains type	P perm. (KW)	P max (KW)	Braking time (sec)
GRID	Stainless Steel	GR/MOD5/L	6R	Single phase	100	500	10
INSULATION and CONNECTION							
Insulating Raw material			Steatite				
Insulating Voltage			3 KV				
Internal connection raw material			Copper				
Connection type			Direct				
CABINET							
Number of Cabinet			1				
Material			Galvanised Steel				
Paint			**				
Protection Level			IP 23				
Accessories			Eye bolt				
Cooling			Natural air convection				
ELECTRICAL DATA							
Connection terminal for power cable			M12 Terminal				
Recommended section cable for power			According to Amp. (Not supplied)				
Temperature switch (Open 150°C / Close 140°C (both +/- 5°C)			OPTIONAL				
Maximum input voltage for the temperature switch			250V AC				
Maximum input current for the temperature switch			10A AC				
Recommended cable for temperature switch			2mm ² (Not supplied)				
Connection type			Internal				

Dynamic braking resistors

TYPE GR/MOD

ELECTRICAL CHARACTERISTICS		Note: Data indicated can be subject to technical modifications
1.0.0	Temperature coefficient	250 ppm /°C
1.0.1	Maximum load pic	5xPn. 10 sec.
1.0.2	Maximum Operating voltage	3000 DC or VC rms
1.0.3	Protection enclosure	Galvanised / Stainless steel
1.0.4	Protection level	IP23 correspond to safety class I
1.0.5	Standard Resistor Tolerance	±10 %
1.0.6	Inductance values	Less than 20 µH
10.0.7	Ohm Value	From 0,5 to 50Ω
10.0.8	Insulation resistance @1000 Vdc x 60 sec	> 10 MΩ
10.0.9	Compliant with and previous releases.	ROHS (EU 2002/95/CE) and REACH (CE low voltage directive) IEC 60634
10.0.10	Connection type	M12 grounding screw.
10.0.11	Temperature superficie	exceed 80°C
10.0.12	Dielectric Strength @50Hz x 60 sec	3500 Vrms
10.0.13	Thermal switch protection (KL)	On request : Normally closed contact, opens at ~160°C +/-5°C, re-closes at ~140°C +/-5°C. Voltage: 250V AC rms. / Current: 10A AC rms / 6.35mm male faston connection
10.0.14	Cooling	Natural Air convection
10.0.15	Customized protection enclosure	On request (IP45 or IP54)
10.0.16	Accessories	Eye bolt, Thermal switch, bottom protection grid

Standard power & protection enclosures

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ECOMSA Resistor Model	WATTS (in continuous)	DIMENSIONS in mm. (Approx.)		
External connection	Up to	L	P	H
GR/MOD1/P	25KW	650	500	530
GR/MOD2/P	50KW	650	500	780
GR/MOD3/P	75KW	650	500	1030
GR/MOD4/P	100KW	650	500	1280
GR/MOD5/P	125KW	650	500	1530
GR/MOD6/P	150 KW	650	500	1780
Internal connection	Up to	L	P	H
GR/MOD1/L	25KW	870	500	530
GR/MOD2/L	50KW	870	500	780
GR/MOD3/L	64KW	870	500	1030
GR/MOD4/L	100KW	870	500	1280
GR/MOD5/L	125KW	870	500	1530
GR/MOD6/L	150 KW	870	500	1780

Available offer provided using the following standards:
 • DIN EN 60529 (degrees of protection provided by enclosures)
 • DIN EN 50178 (electronic equipment for use in power installations)

