

SIMOREG® 6RA70 DC MASTER

Overview



Application

Well-proven drive technology: Rugged, dynamic and low-priced

Depending on the application, DC drives are often the most economical drive solution. They also have many advantages in terms of reliability, user-friendliness and operational response. A number of technical and commercial factors are as important now as they have been in the past for deployment of DC drives in many sectors of industry:

- Low-cost 4-quadrant operation
- Continuous duty at low speed
- Full torque even at low speeds
- High starting torque
- Wide speed range for constant power
- Minimal space requirements
- Reliability

Perfect for all requirements

In DC technology, anyone who is looking for optimal economy should start with the SIMOREG DC MASTER family – converters with top performance as well as integrated intelligence. They are known for maximum operational reliability and availability – world wide in a wide range of different fields:

- Main drives for printing machines
- Rubber and plastics industry
- Traversing and lifting drives in the lifting gear industry
- Elevator and cable car drives
- Applications in paper manufacturing
- Cross-cutter drives in the steel industry
- Rolling mill drives
- Winding drives
- Loading machines for motor, turbine and gearbox test beds.

One complete family: SIMOREG DC MASTER

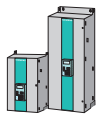
The SIMOREG DC MASTER family is available in every possible variation – for a power range from 6.3 kW to 2508 kW, for armature and field supply and for single/two or four-quadrant operation. And the SIMOREG DC MASTERS feature a highly dynamic response: Their current or torque rise time is significantly below 10 ms. You will always find the right variant for your application. And these are their most important characteristics:

- For total integration into every automation environment
- Modular expansion capability throughout
- From standard applications to high-performance solutions
- Redundant drive configurations up to 12,000 A thanks to intelligent parallel connection

- Rated input voltage from 400 V to 950 V
- Quick and easy start-up thanks to the fully electronic parameterization of all settings
- Uniform operating philosophy

SIMOREG DC MASTERS naturally also feature the unique characteristic of Siemens products: TIA – Totally Integrated Automation. You profit from the totally integrated Siemens world during project engineering and programming as well as with the common database and system-wide communication.





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Retrofit to make your existing systems fit again

You can also benefit from these advantages in existing systems. With the SIMOREG CM converter, you can inject new life into an old system. The Control Module provides you with a low-cost and efficient retrofit solution – whether for re-equipping or upgrading.

International standards from Siemens

Internationally approved products are taken for granted at Siemens. SIMOREG products comply with all the most important standards – ranging from the EN European standard to IEC/VDE. CE marking, UL, cUL and CSA approvals make the SIMOREG DC MASTER a genuinely global player.

At your side worldwide

SIMOREG DC MASTER converters are not only global players in terms of their compliance with international standards. Within the context of the worldwide Siemens service network, service does not end with the finely-tuned logistics concept for short delivery times, fast order processing and prompt service. With over 180 service centers in more than 110 countries, we are accessible round the clock to overcome breakdowns and to offer individually tailored business services for all aspects of products and systems. As a professional service provider, our OnCall service provides technical expertise and logistics as well as all the other components necessary to ensure an efficient service visit.

Motors, the muscles of the DC system

SIMOREG DC MASTER converters in combination with the DC motor range are the winning team. The compact DC motors from Siemens have proved themselves worldwide wherever low-cost drive technology and maximum availability are required. They are rugged and have a long service life over a power range from 0.45 kW to 1610 kW. Whether self-cooled or externally-cooled, with or without a fan, to the IP 23, IP 54 or IP 55 degree of protection: The modular design permits any combination. And what is more: Our DC motors can be integrated into the world of automation via the motor interface designed for the SIMOREG DC MASTER – for continuous monitoring, accurate diagnosis and effective maintenance.

