ELECTRONIC AUTOMATION

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D.C. DRIVE PANELS

DC drive is equipped with automatic circuit breaker. It's characterized by high protection of semiconductors and the possibility to feed the armature converter with a voltage different from the auxiliary systems to maintain a high standardization of spare parts.

AMB

DCA124

Single Panel DC drive for any application up to 1200A 4 quadrant. Typical application for start-stop flying shears or any bidirectional DC motors

DCA164

Single Panel DC drive for any application up to 1600A 4 quadrant. Typical application for start-stop flying shears or any bidirectional DC motors

DCA252

Single Panel DC drive for any application up to 2500A 2 quadrant. Typical application for rolling mill stands, generator or any unidirectional DC motors

DCA354

Double Panel DC drive for any application up to 3500A 4 quadrant. Typical application for rolling mill stands or any bidirectional DC motors

DCAX4

Multiple Panel DC drive for any application up to 25000A 4 quadrant 12-pulse. Typical application for slubbing mill stands, plate mill , 2 HI reversible mill or any bidirectional DC motors with need for low harmonic distorsion



A.C. Drive Panels is the inverter for the best energy efficiency solutions.

Thanks to a careful develop of every panel the internal volume is optimized to simplify the finding end the changing of every component and guarantee the best ventilation and cooling.

SINGLE DRIVE

AMB Optidrive

AC drive with option of FFE for energy recovery or braking chopper.

Typical application for roller ways, chain transfers, AC pinch-rolls or any A.C. motor

MULTI DRIVE

AMB Optidrive

AC drive with option of FFE or AFE for energy recovery. With this technology is possible put in parallel more power modules to achieve a power output up to 2500A. Typical application for rolling mill stands, or any A.C. motor

AUTOMATION

AMB expertise has great knowledge and worldwide experience in engineering, supply and commissioning of equipment and automation solution for rolling mill is offered to the steel producer through highly productive and state-of-the-art components.

SENSORS

Thanks our technology, we can provide all that is necessary for the steel business: hot metal detectors, loop scanner ,bar counter and all the field sensors (Level 0)

DIGIROLL

Automation PLC for any application (Level 1), any PLC brand supported. The PLC communicates with I/O peripherals and drives in Fieldbus Network (default Profinet DP) and with personal computers in Ethernet Network.

CONTROL DESK

Control desks for the commands of all devices and personal computers with SCADA software(Level 2), is possible connect the SCADA software with the managing software for the complete statistic and ordering system (Level 3).

LOCAL BOX

Local box with remote I/O for local connection of devices (proximity, switches, photocells, valve solenoids, etc.) All the local boxes are connected with central PLC in Fieldbus Network (default Profibus DP)



STARTOR STARTOR

The motor control center is used to control some or all electric motors in a central location through the distribution of the power.

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It consists of multiple enclosed sections having a common power bus and with each section containing a combination starter, which in turn consists of motor starte, fuses or circuit breaker and power disconnect.

SLIP-RING

Slip-ring AC motor starting with statoric a.c. breaker and rotoric resistor steps (medium voltage and current) Application: roughing mill stands ... etc.

VARIOUS AC STARTING

Various AC starting in panel, any power needed Application: pumps, oil heaters, roller ways, transfers ... any AC devices

A.C. SOFTSTARTER

AC Softstarter in panel stand alone, any power needed Application: pumps, fans ... any big AC motors

K04 O/G TRAFO-03

POWER

Power system is used to optimize the electrical part of a plant. It has many uses like the correction of power factors to have the best efficiency and improve the performance.

POWER CENTER

For new plants, optimize the dimensioning of the plant depending on the actual planned production capability.

POWER FACTOR CORRECTION SYSTEM

Reduce the impact of the inductive load on the power grid. With the correction of the power factor, we have best efficiency (lower consumption of the motors), and reduction of voltage drops.

STATIC VAR COMPENSATOR SYSTEM

Use to reduce the impact of the inductive load on the power grid (the difference with PFC is the real-time response of the thyristor bridge that improve the performance).

HEAD OFFICE

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