

TECHNICAL INFORMATION

The EWM* family has been designed to realize the most common closed loop controls, that are ever more requested on industrial applications. They are suitable for DIN EN type 50022 rail mounting.

EWM* electronics cards are digital, and they have a package software that allows to do the start-up in an easy and quickly way. Also unspecialized staff can be able to use this software guaranteeing good performances in compliance with current market requests.

Duplomatic Oleodinamica has a wide range of actuators with built-in sensors based on the magnetostrictive principle (MTS or BALLUFF) that allows to have a complete package.

POSITIONING CONTROL

Five different cards are available for fast and excellent positioning. You can choose between them, looking at the position accuracy you need, from the simple preset positioning device (S-BA version) to the complex axis card with Profibus communication and SSI sensor (version S-DAD).

AXES SYNCHRONISM CONTROL

Two card versions are available: with basic master/slave concept for two axes with analogue signal (version MS-AA), or more sophisticated version SS-DAD that can control up to 24 synchronized axes with Profibus protocol communication and SSI sensor.

PRESSURE CONTROL

Two card versions are available.

The P-AA card is used to pilot proportional valves for pressure reducing control or pressure relief control. This card embeds the amplifier and can be connected directly with the valve.

The PQ-AA card, coupled with a suitable directional valve allow to do the p/Q function. This card permit the pressure control in closed loop during the static condition and allows the flow/velocity control in open loop during the movement.

SPEED CONTROL

The RL card allows the fast/slow speed control and is easy to use.

CUSTOM CONTROL

The PID card is wholly customizable, for a complete control of the parameters and values.

Duplomatic's complete product range on
www.duplomatic.com



Your full line partner

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DSE*J proportional valves
DXE* servo-proportional valves



EWM* cards



HC* cylinders



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AXES CONTROL SYSTEM



PLC

Input

analog: ± 10 volt
4÷20 mA

digital: profibus
binary

Output

max current: 2 A
analog: ± 10 volt
4÷20 mA

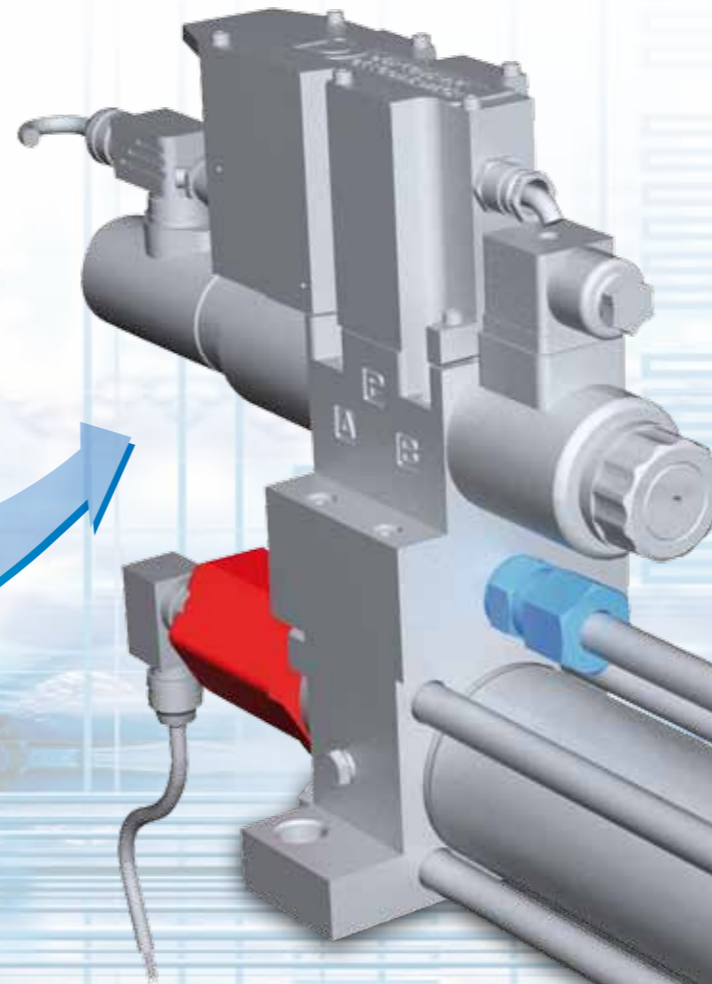
Feedback

analog: ± 10 volt
4÷20 mA
digital: SSI



EWM* card

DSE*J proportional valve
DXE* servo-proportional valve



HC* cylinder



CONTROLS

S	stroke
SP	stroke and pressure
MS	master and slave
SS	synchro stroke
P	pressure
PQ	pressure and flow
PID	customizable
RL	speed