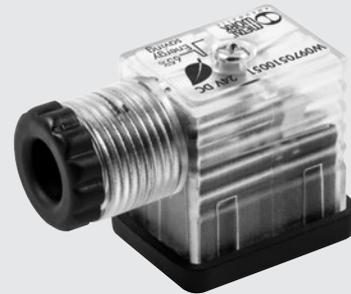
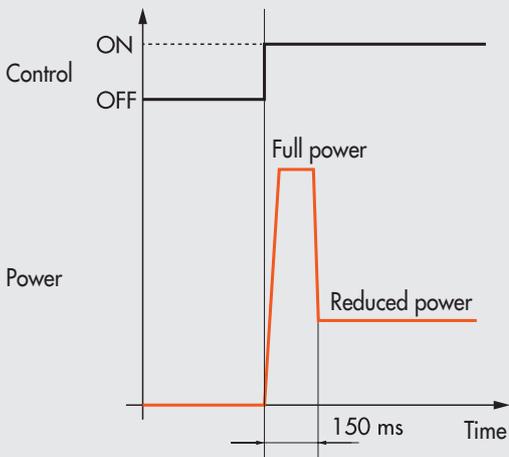


24VDC ENERGY SAVING CONNECTOR

The 24VDC energy-saving connector type DIN 43650 B-IND for coils, side 22 mm, thanks to an internal electronic board, reduces by 65% the power consumed by the solenoid valve during the supply phase. Energy consumption is reduced by a 'speed-up & holding' control. This technology consists of supplying the electro-pilot with full power for 150 ms and subsequently reducing it via a PWM control that regulates the current circulating in the coil. The full power supplied for a few milliseconds guarantees high performance and a quick and safe valve switching; energy saving is hence guaranteed during the holding phase by a reduction in power, thereby allowing a reduction in temperature as well.



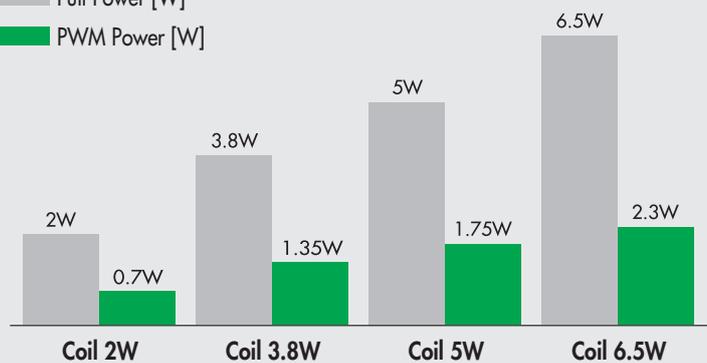
TECHNICAL DATA



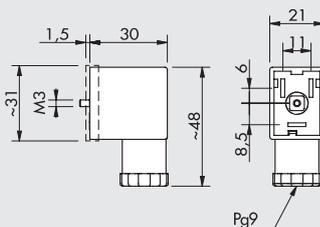
Below is a comparison of the reduction values between input power during the full power phase and the reduced power holding phase (PWM Power).

65% power reduction

Full Power [W]
 PWM Power [W]



DIMENSIONS AND ORDERING CODES

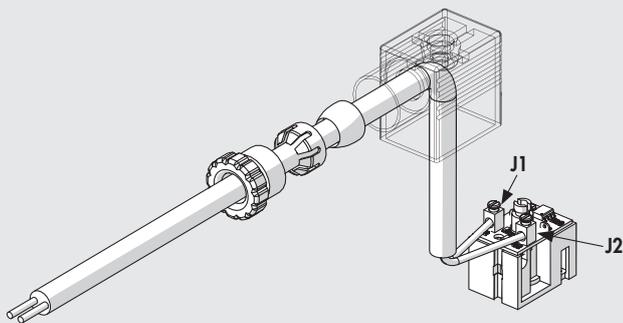


Code	Description	Ø Cable	Voltage
W0970510051	24VDC energy saving connector	PG9	24VDC ±10%

N.B.: The Energy Saving Connector can be used with coils up to 6.5W

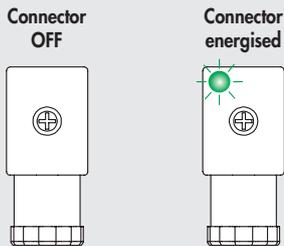
ASSEMBLY INSTRUCTIONS

The two cables (24VDC and GND) are connected to the connector via the two screw terminals (J1 and J2) on the circuit board. The two terminals have no polarity (thanks to a diode bridge on the circuit board), making it possible to connect either positive or negative wiring of the controller without the risk of damaging the internal board.



Screw terminal	Function
J1	24V or GND
J2	GND or 24V

The connector circuit board has a green LED that comes on when the coil is energised.



N.B.: For correct operation, both connector and coil need to be connected for the entire duty cycle (full power and reduced power); any electrical connection of the Energy-Saving connector to the coil during the reduced power phase **may cause the solenoid valve to be uncorrected switch**.

NOTES

Blank area for notes.