

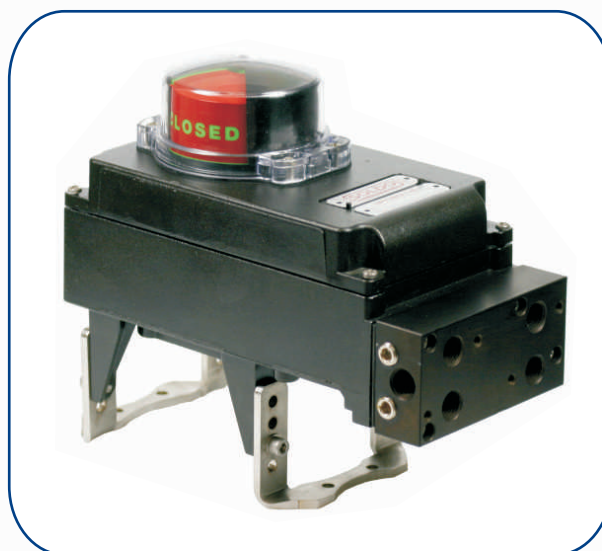
OMEGA™ 3-POSITION CONTROL

www.soldo.net

The **OMEGA** series combines a compact enclosure with limit switches, visual indication and integral solenoids for position indication plus valve actuator control for 3-Position Control for spring return and double acting actuators. The **OMEGA**'s wide variety of switches and solenoid options make it the ideal 3-Position Control solution for use in water proof applications. Electromechanical gold plated contacts and an EEx ia solenoid valve also make the **OMEGA** series suitable for use in intrinsically safe applications.

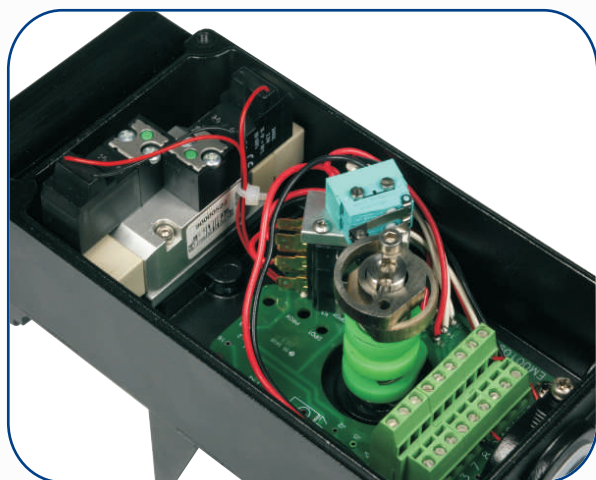
[ALL-IN-ONE SOLUTION]

The **OMEGA** 3-Position Control solution is complete with integral 3-position, dual coil blocked-center or specially configured 3-position, dual coil exhaust center solenoid valves that are suitable for double acting or spring return actuator applications. The unit is complete with feedback sensors for open, close and middle position indication.



[3-POSITION AND DRIBBLE CONTROL]

The **OMEGA** is available with options for 3-Position Control (180° double acting actuator applications) and Dribble Control (90° spring return actuator applications) and the middle position can be reached from either direction (open to middle or close to middle).



[COMPACT SOLUTION]

Compared with conventional systems consisting of a dual-coil solenoid valve and junction box the **OMEGA** 3-Position Control option eliminates the need for external solenoid valves and conduit, providing a unique 3-Position Control solution in a single,

[EASY ASSEMBLING]

The **OMEGA** 3-Position Control eliminates the expense and labor for electrical and pneumatic wiring of external solenoid valves and conduit, all components are assembled inside the unit which allows for fast installation and calibration. The solenoid valve and feedback sensors are pre-wired and jumpered to a printed circuit board assembly for simplified control and monitoring of valve position. The **OMEGA** series features a unique bracketless mounting system for actuators conforming to ISO NAMUR standards; extendable stainless steel mounting legs enable quick foolproof installation and adjustability for shaft lengths from 20mm to 50mm.

[RATINGS]

Ambient temperature range ⁽¹⁾	: General purpose execution -5°C +50°C : Intrinsically safe execution -20°C +60°C
Fluid	: filtered, lubricated or non lubricated compressed air (also dried to a dew point of -20°C)
Operating pressure	: min. 2,5 bar - max 8 bar
Electrical	: according to switch option

Consult "B02003-3-E" bulletin for switch rating

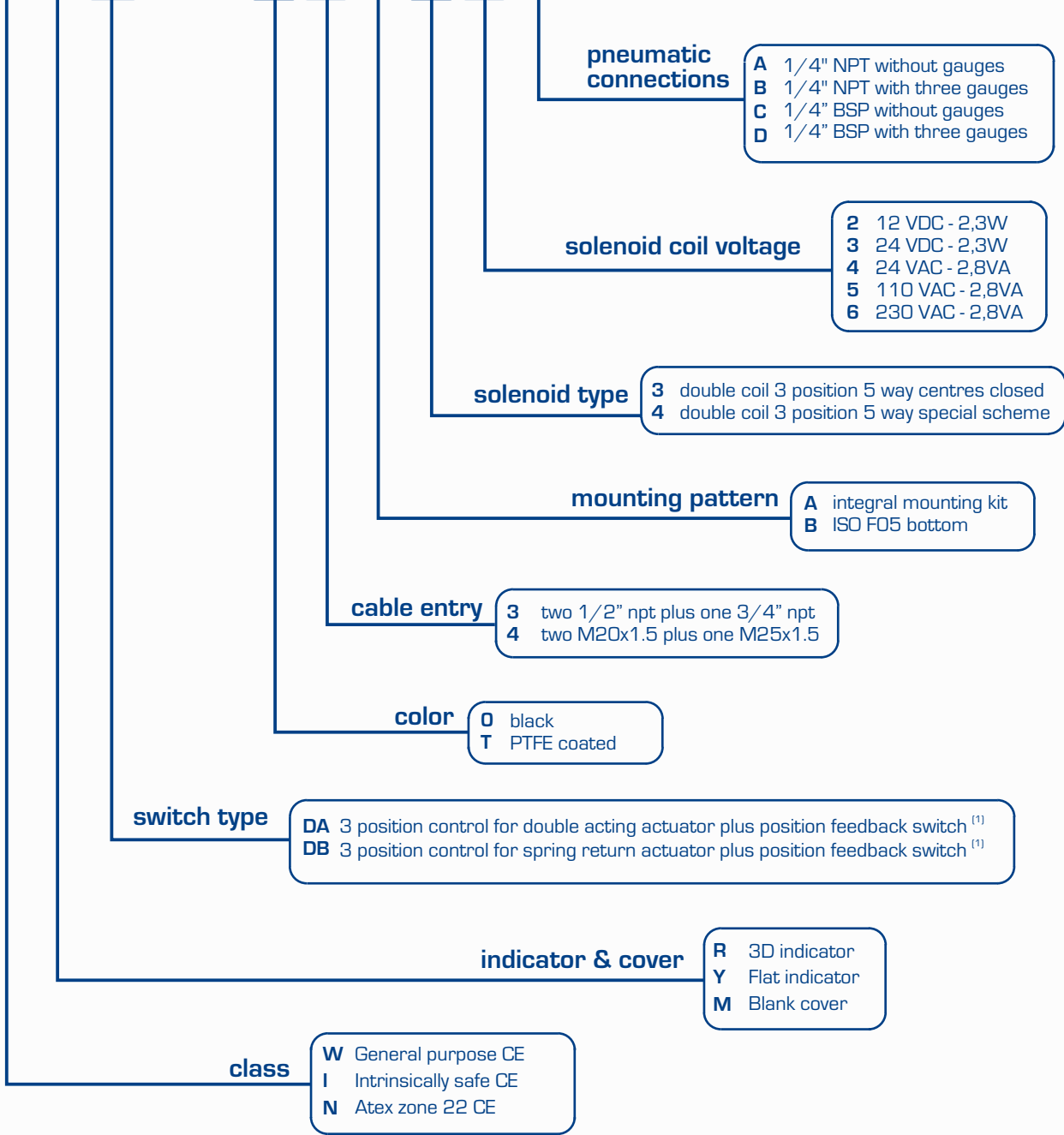
⁽¹⁾ Temp. range may vary due to switch type.

[MATERIALS]

Body and cover	: epoxy coated aluminium
Indicator dome	: UV resistant and VO polycarbonate
Pneumatic connection plate	: anodized aluminium
Seals	: NBR
Shaft	: stainless steel
Fasteners	: stainless steel

[STANDARD OPTIONS AVAILABLE - Nomenclature]

H W R DA 5 0 1 4 A 3 2 A



NOTES

Indicator for 3 way valve (L or T) available on request.

⁽¹⁾ The unit is complete with 3 electromechanical SPDT silver plated contacts with rating max 5A@250VAC - 3A@24VDC; min 50mA@250VAC - 50mA@24VDC for position feedback