

Input plate for valve terminal HDM external control air, Multipol - Riegler 106671

Item no. RGL-106671

Manufacturer Riegler

EAN 4047322286510

Input plate for valve terminal HDM external control air, Multipol

TECHNICAL DATA

Betriebsdruck max [bar]	10.000000
Country of Manufacture	Italy
Function	with external pilot air, double supply, vacuum up to 10 bar
Material	Aluminium
Pneumatic connection	Multi-pin
Protection rating	IP65
Series	HDM
Weight	0.365 kg
Zolltarifnummer	84818099



DESCRIPTION

Input plate for valve terminal HDM, with external control air, Two-supply circuit, Multipol, Working pressure vacuum up to 10 bar These compact valve terminals, with a maximum flow rate of 800 NI/min, can be individually adapted to the specific conditions of each application thanks to the wide range of functions and various input and intermediate plates. Since each valve terminal is a customer-specific combination of a series of individual elements, the catalogue only lists the available input, intermediate and end plates as well as the different valve discs and the 25-pin multi-pole connectors. Suitable for filtered, unlubricated or lubricated compressed air. If lubrication is used, it must be continuous. Monostable (non-latching) version of manual control also available on request. The operating pressure is based on the installed input plates.

TECHNICAL DATA

Min. operating pressure	-1 bar
Max. operating pressure	10 bar
Min. temperature range	-10 °C
Max. temperature range	60 °C
Power input	0.6 W per pilot
Manual control	latching
Piloting	max. 16 (e.g. 16 spring return valves)
Protection IP	IP 65

Function	with external control air, two-supply circuit, multipol, vacuum up to 10 bar
Connection	multi-pole
Material	aluminium
Series	HDM

STANDARDS AND ORIGIN

- Customs tariff number: 84818099
- Country of origin: IT

ABOUT VALVE TERMINALS

A valve terminal combines several directional valves, their electrical control and the shared air supply in one assembly. Instead of wiring and tubing every valve separately, one bus cable and one supply line run to the terminal. The valves handle flow rates of 200 to 800 NI/min at operating pressures up to 10 bar.

WHAT MATTERS WHEN CHOOSING

- Define the function first. Options include 5/2-way monostable, 5/2-way bistable as an impulse valve, 5/3-way with closed centre, and combinations of 3/2-way NC and 3/2-way NO on one slice.
- The connection decides how much wiring is involved. Multipole suits manageable terminals with existing parallel wiring, the version with integrated Profibus DP connects to a fieldbus controller.
- Protection class follows the mounting location. IP 65 for direct mounting on the machine, IP 40 for a protected control cabinet.
- Flow rate from 200 to 800 NI/min has to match the volume of the connected actuators and the required cycle time.
- Where pressure is controlled rather than only switched, the proportional modules cover a control range of 0.05 to 10 bar at a maximum inlet pressure of 10.5 bar.

TYPICAL APPLICATIONS

- Central valve station for handling and assembly lines with many short cylinder strokes
- Decentralised control mounted on the machine module in IP 65 to shorten tubing runs and switching times
- Packaging and filling lines where grippers, slides and suction cups are coordinated over a fieldbus
- Applications with controlled pressure, for example contact forces set by the proportional modules between 0.05 and 10 bar
- Systems running vacuum and pressure on one terminal using versions with external pilot air

Housings are made from technopolymer, from painted aluminium or from a combination of both, sealed with NBR. The specified medium is filtered, unlubricated compressed air.

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