



The pilot valve *pm3/val/evv/e* is a single electromagnetically operated valve. It is designed to be mounted on a hydraulic block and has one function ND 2. Six valves of this type can be connected directly to and operated by the controller *pm32/sg/..* A further 16 can be operated via the solenoid driver *mcv/8/*. A filter is integrated in this valve. The valve technology uses the tried and tested steel/ceramic construction. The ceramic granules are particularly hard-wearing and larger than 3 mm making the valve insensitive to slight contamination. The design uses a dry magnet. The resultant forces are hydraulically balanced and so despite the relatively large switch elements, the valve has a comparatively small energy requirement. All parts of the valve housing are made of high-grade stainless steel.

Picture: *pm3/val/evv/e* Single solenoid pilot valve

Features

Weight	ca. 1 kg
Operating pressure	350 bar
Power supply	8.5 bis 13.5 Volt = 12 Volt (+20/30 %)
Power consumption	70 mA @ 9.5 Volt
1 function	ND 2
Connections	3-pole connector, M8 stainless steel
Contacts	gold-plated
Degree of protection	IP68

Connections

1	+UB	brown
3	0 V valve	blue
4	n.a.	black

Application

The pilot valve is mounted on a suitable hydraulic block to trigger electrohydraulic functions.

Order Number	Release	Description
<i>pm32/sg/a</i>	2.1	Longwall controller
<i>pm3/val/evv/e</i>	1.0	Single solenoid pilot valve
<i>di:0-3x1,5sh90</i>	1.0	Spare o-ring
<i>di:0-7x1,5sh90</i>	1.0	Spare o-ring