

## FEATURES

- Proportional valve without integrated control electronics. The valve can be used in an open control loop with a control unit or in a closed control loop with a CONTROL $D$  control device and an external sensor.
- A modular arrangement of the individual components (proportional valve, control device, sensor) can be of advantage in special applications, e.g. in high ambient temperature environments.

## GENERAL

<b>Fluids</b>	Air or neutral gas, filtered at 50 $\mu$ m, lubricated or unlubricated
<b>Max. allowable pressure</b>	8 or 16 bar (G1/4) 12 bar (G1/2 - G1)
<b>Pressure range</b>	0-6 or 0-16 bar (G1/4) 0-12 bar (G1/2) - 0-10 bar (G1)
<b>Temperature / fluid</b>	-10°C to +60°C
<b>Temperature / ambient</b>	-10°C to +60°C
<b>Flow (Qv at 6 bar)</b>	700 to 5600 l/min (ANR)



## CONSTRUCTION

<b>Body</b>	Aluminium, anodised
<b>Internal parts</b>	Stainless steel and brass
<b>Seals</b>	NBR (nitrile)

## ELECTRICAL CHARACTERISTICS

nominal diameter DN (mm)	voltage (stabilised) *	max. power (W)	max. current (mA)	insulation class	protection degree	electrical connection
6	24 V = +/-10%	24	1000	F	IP 65	connector size 30, ISO4400/EN175301-803, form A, rotatable by 90°
12		34	1400			
20		44	1800			

(1) residual ripple: 10 %

## SPECIFICATIONS

Ø ports	Ø orifice DN (mm)	flow		control range (bar)	max. inlet pressure (bar)	catalogue no.
		Kv coefficient	at 6 bar (l/min - ANR)			
G 1/4	6	10	700	0 - 6	8	60200002 (2)
				0 - 16	16	60200001
G 1/2	12	20	1400	0 - 12	12	60200004
G 1	20	80	5600	0 - 10	12	60200007

(2) Version with low hysteresis

## PRODUCTS SUITABLE FOR CONTROL APPLICATIONS

designation	series	illustration	
CONTROL $D$	603		<a href="#">see catalogue page</a>
Electronic proportional control unit	908		<a href="#">see catalogue page</a>

00248GB-2016/R01  
Availability, design and specifications are subject to change without notice. All rights reserved.

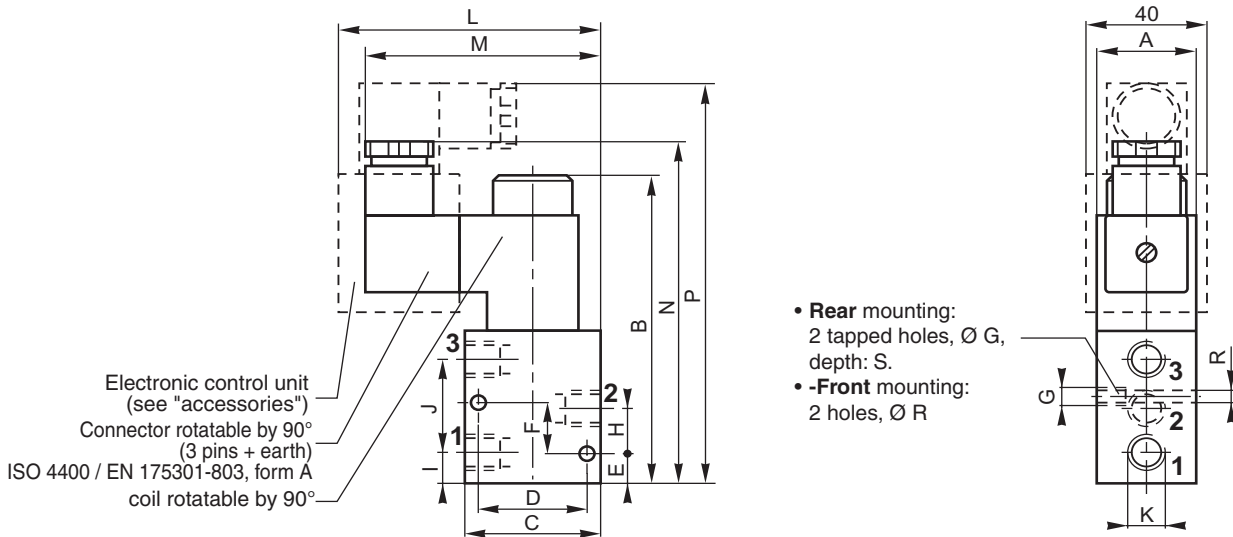
**OPTIONS AND ACCESSORIES**

- FPM seals - catalogue no. **460594**
- Digital control device CONTROL<sup>D</sup> for DIN EN 50022 rail mounting
  - Used as a current regulator in open-loop applications
  - Used with an external sensor for closed-loop applications
- Electronic proportional control unit (908 Series, current adjustment from 0 to 1100 mA).

**INSTALLATION**

- The valves can be mounted in any position without affecting operation
- The valve body has 2 mounting holes in body
- Threaded pipe connection is standard: G = G (ISO 228/1)
- Installation/maintenance instructions are included with each valve

**DIMENSIONS (mm), WEIGHT (kg)**



Ø DN	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	R	S	weight
6	35	115	52	43	10	20	M5	16	11	34	G1/4	107	82	123	153	4	10	0,700
12	45	151	70	57,5	12	28	M6	22,5	15	48,5	G1/2	119	96	151	190	4,5	10	1,500
20	60	188	96	79	15	33	M8	30,5	20	60	G1	-	116	184	-	6,5	15	3,300