

Type 6519 NAMUR Standard (with Tag connector acc. to DIN EN 175301-803 Form A, without cable plug)



Type 6519 NAMUR Standard

The valve bodies of Type 6519 NAMUR are identical with the Ex m variants. The difference is in the coils, which are laid out and approved in different ways. By changing the coil on the valve body, it is possible to easily convert from Non-Ex operation to Ex operation (or vice versa). The coils are designed to be push-over and can be locked in $4 \times 90^\circ$ displaced positions and be positioned anywhere in-between.

Technical data	
Orifice	Type 6519 DN6 mm
Body material	Type 6519 Pilot and main valve Polyamide, reinforced glass-fibre
Threaded socket material	Brass (stainless steel on request)
Seal material	Type 6519 NBR and PUR
Medium	Neutral medium, e.g. lubricated or non-lubricated compressed air
Compressed air quality	ISO 8573-1:2010, Class 7.4.4*
Medium temperature	-10 °C to +50 °C
Ambient temperature	-25 °C to +55 °C
Pneumatic connection	Supply port connection 1, 3, 5 Thread G ¼, (on request NPT ¼) Service port 2, 4 NAMUR Flange
Operating voltages	24 V DC 24/ 110/ 230 V/ 50-60 Hz
Voltage tolerance	+10%
Duty cycle	100 % continuous operation
Electrical connection	Tag connector acc. to DIN EN 175301-803 (previously DIN 43650) Form A for cable plug Type 2508
Type of protection	IP65 with cable plug
Installation	As required, preferably with actuator upright

* To prevent freezing of the expanded compressed air, the pressure dew point must be at least 10 K lower than the temperature of the medium.

Power consumption			Response times ¹⁾	
Inrush	Hold (hot coil)		Opening	Closing
AC [VA]	AC [VA/W]	DC [W]		
11	6/2	2	20 [ms]	40 [ms]

¹⁾ Measured at valve outlet at 6 bar and +20 °C acc. to ISO 12238.
Opening: Pressure rise 0 to 90%,
Closing: Pressure drop 100 to 10%

Ordering chart with manual override (without manual override on request)

Circuit function	Orifice [mm]	Seal material and body	Material sockets ¹⁾	Threaded port connection [inch]	Q _{in} value Luft ²⁾ [l/min]	Pressure range ³⁾ [bar]	Weight [g]	Electrical nominal power [W]	Voltage/Frequency [V/Hz]	Article no.
W 	6.0	NBR and PUR	Stainless steel	G ¼	900	2-8	460	2	024/DC	131425
									024/50-60	131426
									110/50-60	131427
									230/50-60	131428
W 	6.0	NBR and PUR	Brass, nickel plated	G ¼	900	2-8	460	2	024/DC	131421
									024/50-60	131422
									110/50-60	131423
									230/50-60	131424

¹⁾ When the connecting sockets are made of stainless steel, then the mounting screws are also made of stainless steel

²⁾ Flow rate: Q_{in} value air [l/min]: Measured at +20 °C, 6 bar pressure at valve inlet and 1 bar pressure difference

³⁾ Pressure values [bar]: Overpressure with respect to atmospheric pressure

All valves can be operated in circuit function C as well as in circuit function H. By replacing the adapter plate that comes with the valves, the change between the two circuit functions can be set up.