

# 5/3-directional valve, Series TC08

- Operating voltage 24 V DC
- 5/3
- Qn = 700 l/min
- Pilot valve width : 15 mm
- closed center exhausted center pressurized center
- Pipe connection
- Compressed air connection output : G 1/8
- Electrical connection : Plug, ISO 15217, form C
- Manual override : without detent
- double solenoid
- Pilot : Internal External



#### Туре

Activation Sealing principle Working pressure min./max. Control pressure min./max. Ambient temperature min./max. Medium temperature min./max. Medium Max. particle size Oil content of compressed air Nominal flow Qn Connector standard Protection class with connection Duty cycle Typ. switch-on time Typ. switch-off time Mounting on manifold strip Mounting screw tightening torque Weight

Spool valve, positive overlapping Electrically Soft sealing See table below 3 ... 10 bar -10 ... 50 °C -10 ... 50 °C Compressed air 5 µm 0 ... 5 mg/m<sup>3</sup> 700 l/min ISO 15217 IP65 100 % 10 ms 11 ms P-strip 2 Nm 0,178 kg



## Technical data

Part No.	МО		Compressed air connection
			Input
0820061101		closed center	G 1/8
R422103055		closed center	G 1/8
0820061151		closed center	G 1/8
R422103057		closed center	G 1/8
0820061111		exhausted center	G 1/8
R422103059		exhausted center	G 1/8
0820061161		exhausted center	G 1/8
0820061121		pressurized center	G 1/8
0820061171		pressurized center	G 1/8

Part No.	Compressed air connection	Compressed air connection
	Output	Exhaust
0820061101	G 1/8	G 1/8
R422103055	G 1/8	G 1/8
0820061151	G 1/8	G 1/8
R422103057	G 1/8	G 1/8
0820061111	G 1/8	G 1/8
R422103059	G 1/8	G 1/8
0820061161	G 1/8	G 1/8
0820061121	G 1/8	G 1/8
0820061171	G 1/8	G 1/8

Part No.	Operational	Voltage tolerance	Power consumption	Pilot
	voltage DC	DC	DC	
0820061101	24 V	-10% / +10%	2 W	Internel
0620061101	24 V	-10%/+10%	2 VV	Internal
R422103055	-	-	-	Internal
0820061151	24 V	-10% / +10%	2 W	External
R422103057	-	-	-	External
0820061111	24 V	-10% / +10%	2 W	Internal
R422103059	-	-	-	Internal
0820061161	24 V	-10% / +10%	2 W	External
0820061121	24 V	-10% / +10%	2 W	Internal
0820061171	24 V	-10% / +10%	2 W	External

Part No.	Flow conductance	Flow conductance	Nominal resistance	Working pressure min./max.
	b	C-value		
0820061101	0,34	3 l/(s*bar)	280 Ω	3 10 bar
R422103055	0,34	3 l/(s*bar)	-	3 10 bar
0820061151	0,34	3 l/(s*bar)	280 Ω	-0,9 10 bar
R422103057	0,34	3 l/(s*bar)	-	-0,9 10 bar
0820061111	0,34	3 l/(s*bar)	280 Ω	3 10 bar
R422103059	0,34	3 l/(s*bar)	-	3 10 bar
0820061161	0,34	3 l/(s*bar)	280 Ω	-0,9 10 bar
0820061121	0,34	3 l/(s*bar)	280 Ω	3 10 bar
0820061171	0,34	3 l/(s*bar)	280 Ω	-0,9 10 bar



Part No.	basic valve with electrical connector
0820061101	-
R422103055	Basic valve without coil
0820061151	-
R422103057	Basic valve without coil
0820061111	-
R422103059	Basic valve without coil
0820061161	-
0820061121	-
0820061171	-

Nominal flow Qn at 6 bar and  $\Delta p = 1$  bar, MO = Manual override

### Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

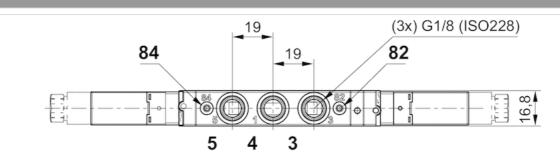
### Technical information

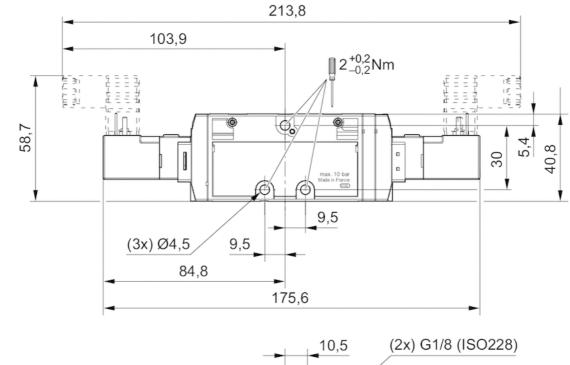
Material	
Housing	Polyamide fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber Polyurethane
Front plate	Polyamide fiber-glass reinforced
Threaded bushing	Brass Die cast zinc, nickel-plated chrome-plated

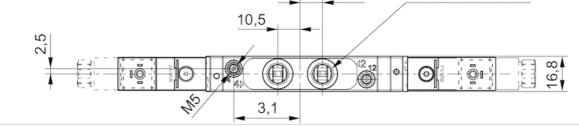


#### Dimensions

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