













## 2x3/2-directional valve, Series TC08

- Operating voltage 24 V DC
- 2x3/2
- Qn = 600 l/min
- Pilot valve width : 15 mm
- NC/NC NO/NO NC/NO
- Pipe connection
- Compressed air connection output : G 1/8
- Electrical connection : Plug, ISO 15217, form C
- Manual override : with detent
- double solenoid
- With spring return
- Pilot : External, Internal



Type	Spool valve, positive overlapping
Activation	Electrically
Pilot	External, Internal
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	2,5 ... 10 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m <sup>3</sup>
Nominal flow Qn	600 l/min
Compressed air connection	according to ISO 228-1
Connector standard	ISO 15217
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-on time	10 ms
Typ. switch-off time	14 ms
Generic emission standard in accordance with	EN 50081-2:1993
Generic immunity standard in accordance with	EN 50082-2
Mounting on manifold strip	P-strip
Mounting screw tightening torque	2 Nm
Tightening torque tolerance	±0,2 mT
Weight	0,181 kg

## Technical data

Part No.		MO		Compressed air connection	
				Input	
R422102002			NC/NC	G 1/8	
R422102006			NO/NO	G 1/8	
R422102010			NC/NO	G 1/8	
R422102013			NC/NC	G 1/8	
R422102016			NO/NO	G 1/8	
R422102019			NC/NO	G 1/8	

Part No.	Compressed air connection	
	Output	Exhaust
R422102002	G 1/8	G 1/8
R422102006	G 1/8	G 1/8
R422102010	G 1/8	G 1/8
R422102013	G 1/8	G 1/8
R422102016	G 1/8	G 1/8
R422102019	G 1/8	G 1/8

Part No.	Compressed air connection		Operational voltage	Voltage tolerance
	Pilot Input			
R422102002	-		24 V	-10% / +10%
R422102006	-		24 V	-10% / +10%
R422102010	-		24 V	-10% / +10%
R422102013	M5		24 V	-10% / +10%
R422102016	M5		24 V	-10% / +10%
R422102019	M5		24 V	-10% / +10%

Part No.	Power consumption	Flow conductance	Flow conductance	Nominal resistance
	DC	b	C-value	
R422102002	2 W	0,27	2,8 l/(s*bar)	280 Ω
R422102006	2 W	0,27	2,8 l/(s*bar)	280 Ω
R422102010	2 W	0,27	2,8 l/(s*bar)	280 Ω
R422102013	2 W	0,27	2,8 l/(s*bar)	280 Ω
R422102016	2 W	0,27	2,8 l/(s*bar)	280 Ω
R422102019	2 W	0,27	2,8 l/(s*bar)	280 Ω

Part No.	Working pressure min./max.
R422102002	2,5 ... 10 bar
R422102006	2,5 ... 10 bar
R422102010	2,5 ... 10 bar
R422102013	-0,9 ... 10 bar
R422102016	-0,9 ... 10 bar
R422102019	-0,9 ... 10 bar

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.

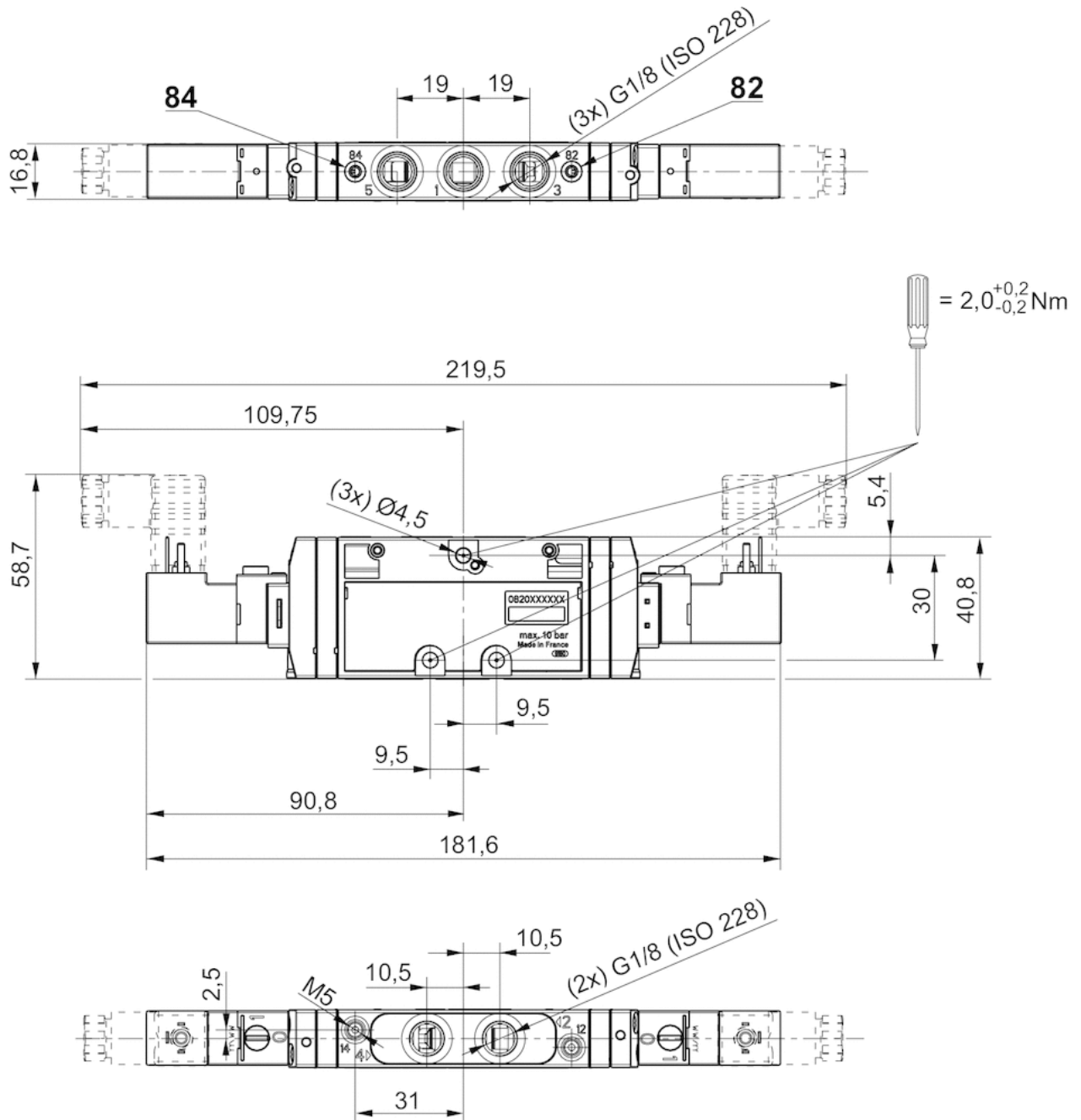
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

## 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

## Dimensions



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