













5/2-directional valve, Series TC08

- 5/2
- Qn = 800 l/min
- Pilot valve width : 15 mm
- Plate connection Pipe connection
- Compressed air connection output : G 1/8
- Electrical connection : Plug, M8, 4-pin
- Can be assembled into blocks
- Manual override : with detent without detent
- single solenoid double solenoid
- Pilot : External



Type	Spool valve, positive overlapping
Activation	Electrically
Pilot	External
Sealing principle	Soft sealing
Blocking principle	Plate principle
Working pressure min./max.	-0,9 ... 10 bar
Control pressure min./max.	See table below
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air
Nominal flow Qn	800 l/min
Connector standard	DIN EN 60947-5-2
Protection class acc. to DIN EN 61140	Class III
Electrically	
Protection class with connection	IP65
LED status display	Yellow
Duty cycle	100 %
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Operational voltage
			Output	DC
0820060796			G 1/8	24 V
0820060797			G 1/8	24 V
0820060798			G 1/8	24 V
0820060896			G 1/8	24 V
0820060897			G 1/8	24 V
0820060898			G 1/8	24 V

Part No.	Voltage tolerance	Power consumption	Flow conductance	Flow conductance
	DC	DC	b	C-value
0820060796	-10% / +10%	2,2 W	0,36	3,5 l/(s*bar)
0820060797	-10% / +10%	2,2 W	0,36	3,5 l/(s*bar)
0820060798	-10% / +10%	2,2 W	0,36	3,5 l/(s*bar)
0820060896	-10% / +10%	2,2 W	0,36	3,5 l/(s*bar)
0820060897	-10% / +10%	2,2 W	0,36	3,5 l/(s*bar)

Part No.	Voltage tolerance	Power consumption	Flow conductance	Flow conductance
	DC	DC	b	C-value
0820060898	-10% / +10%	2,2 W	0,36	3,5 l/(s*bar)

Part No.	Nominal resistance	Control pressure min./max.	Typ. switch-on time	Typ. switch-off time	Weight
0820060796	280 Ω	2,5 ... 10 bar	14 ms	18 ms	0,125 kg
0820060797	280 Ω	3 ... 10 bar	14 ms	17 ms	0,125 kg
0820060798	280 Ω	2 ... 10 bar	10 ms	10 ms	0,157 kg
0820060896	280 Ω	2,5 ... 10 bar	14 ms	17 ms	0,125 kg
0820060897	280 Ω	3 ... 10 bar	14 ms	17 ms	0,125 kg
0820060898	280 Ω	2 ... 10 bar	10 ms	10 ms	0,157 kg

Nominal flow Q_n 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.

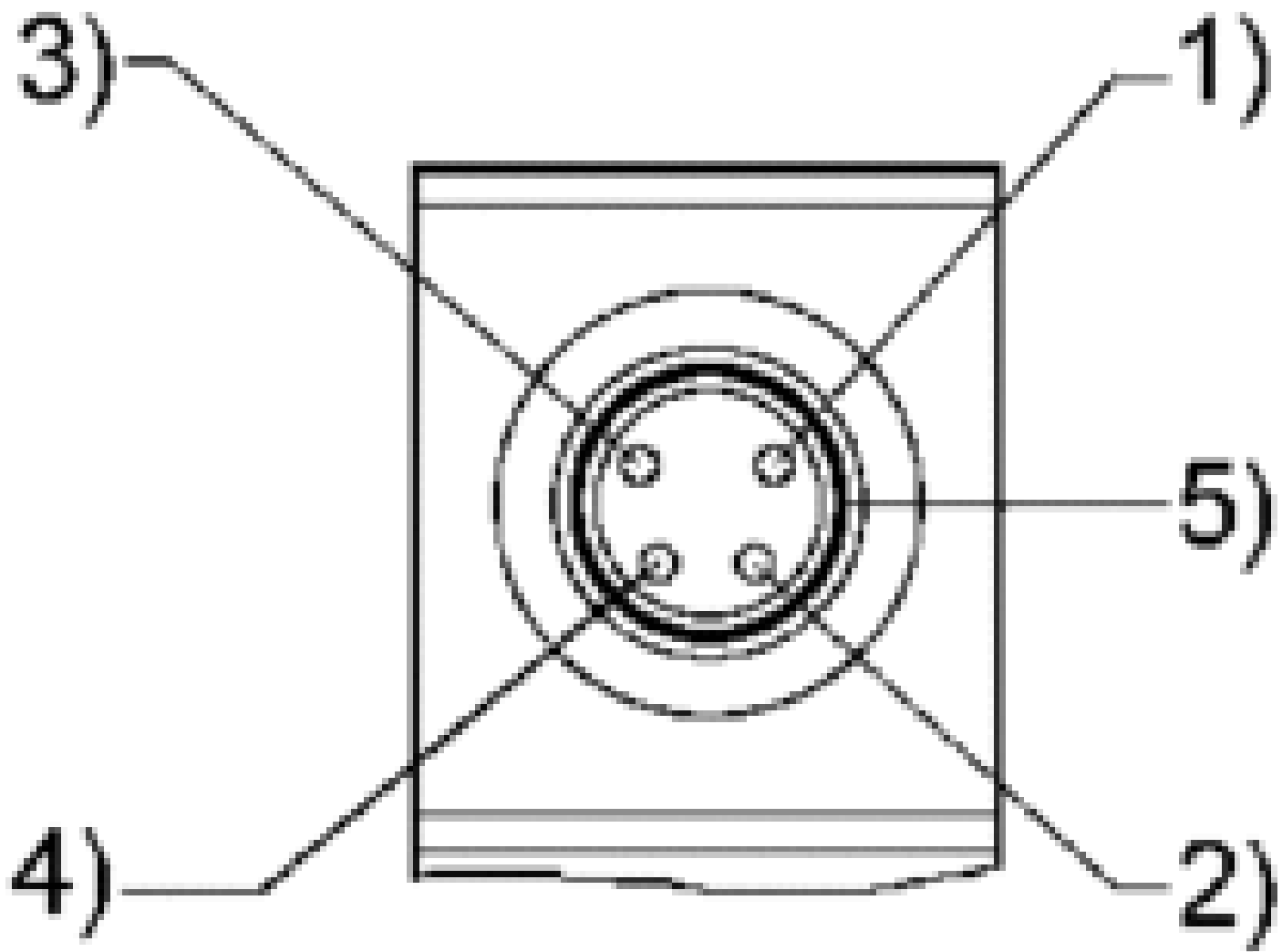
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

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

Pin assignments

PIN assignment and cable colors for valve plug connectors



PIN assignment:

- 1) PIN not assigned
- 2) PIN not assigned
- 3) 0 V
- 4) 24 V
- 5) LED

Cable colors

- 1) Brown
- 2) White
- 3) Blue
- 4) Black

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