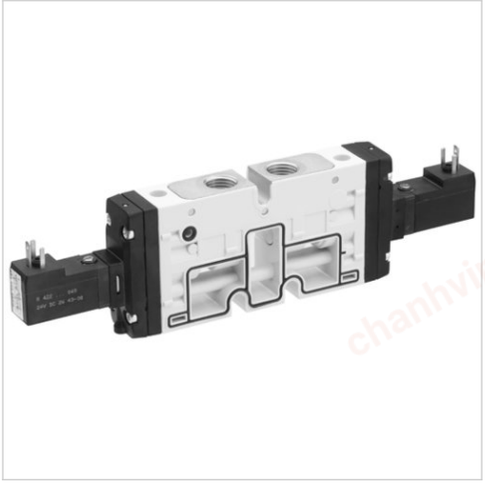
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5/2-directional valve, Series TC15

- 5/2
- Qn = 1500 l/min
- Pilot valve width : 15 mm
- Plate connection Pipe connection
- Compressed air connection output : G 1/4
- Electrical connection : Plug, ISO 15217, form C
- 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
Max. particle size	5 µm
Nominal flow Qn	1500 l/min
Connector standard	ISO 15217
Protection class with connection	IP65
Duty cycle	100 %
Rail mounting DIN EN 60715	TH35 x 15
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Operational voltage
			Output	DC
0820058751			G 1/4	24 V
0820058761			G 1/4	24 V
0820058771			G 1/4	24 V
R422103060			G 1/4	-
0820058851			G 1/4	24 V
0820058861			G 1/4	24 V
R422103061			G 1/4	-
0820058871			G 1/4	24 V

Part No.	Voltage tolerance	Power consumption	Flow conductance	Flow conductance
	DC	DC	b	C-value
0820058751	-10% / +10%	2 W	0,33	6,8 l/(s*bar)
0820058761	-10% / +10%	2 W	0,33	6,8 l/(s*bar)
0820058771	-10% / +10%	2 W	0,33	6,8 l/(s*bar)
R422103060	-	-	0,33	6,8 l/(s*bar)

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Part No.	Voltage tolerance	Power consumption	Flow conductance	Flow conductance
	DC	DC	b	C-value
0820058851	-10% / +10%	2 W	0,33	6,8 l/(s*bar)
0820058861	-10% / +10%	2 W	0,33	6,8 l/(s*bar)
R422103061	-	-	0,33	6,8 l/(s*bar)
0820058871	-10% / +10%	2 W	0,33	6,8 l/(s*bar)

Part No.	Nominal resistance	Control pressure min./max.	Typ. switch-on time	Typ. switch-off time
0820058751	280 Ω	2,5 ... 10 bar	22 ms	20 ms
0820058761	280 Ω	3 ... 10 bar	12 ms	35 ms
0820058771	280 Ω	2 ... 10 bar	11 ms	11 ms
R422103060	-	3 ... 10 bar	12 ms	35 ms
0820058851	280 Ω	2,5 ... 10 bar	22 ms	20 ms
0820058861	280 Ω	3 ... 10 bar	12 ms	35 ms
R422103061	-	2 ... 10 bar	11 ms	11 ms
0820058871	280 Ω	2 ... 10 bar	11 ms	11 ms

Part No.	basic valve with electrical connector	Weight
0820058751	-	0,201 kg
0820058761	-	0,201 kg
0820058771	-	0,229 kg
R422103060	Basic valve without coil	0,201 kg
0820058851	-	0,201 kg
0820058861	-	0,201 kg
R422103061	Basic valve without coil	0,229 kg
0820058871	-	0,229 kg

Nominal flow Qn at 6 bar and Δp = 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).

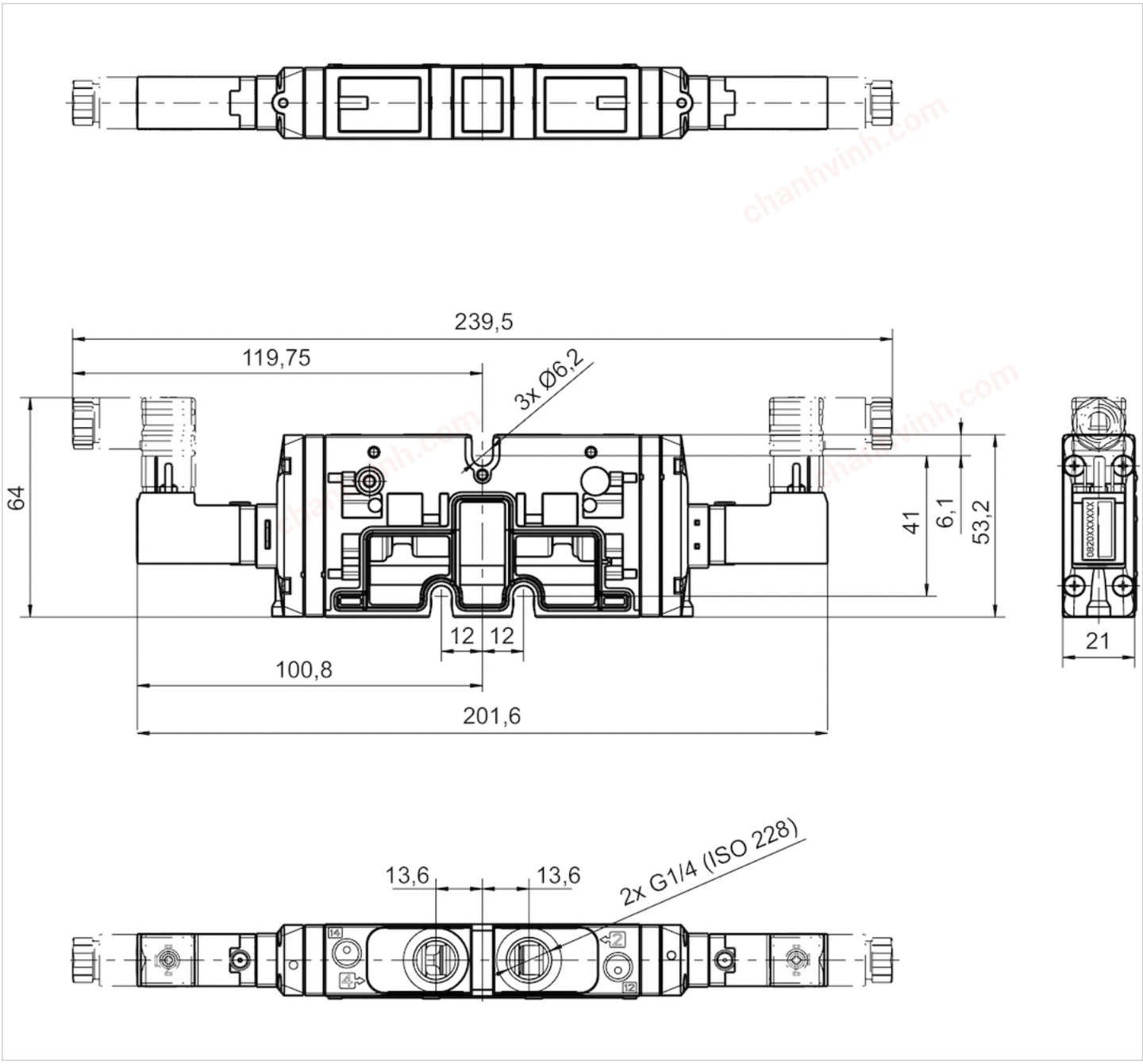
Technical information

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

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Dimensions

Dimensions



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Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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