Valve systems → Supplementary products

Valves, Series TC08

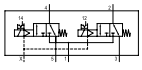
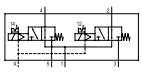
► Qn = 600 - 800 l/min ► plate connection, pipe connection ► compressed air connection output: 1/8-27 NPTF ► Electr. connection: Plug, ISO 15217, form C ► Can be assembled into blocks ► Manual override: with detent ► double solenoid, single solenoid

00137796

Version	Spool valve, zero overlap
Pilot	external
Sealing principle	soft sealing
Blocking principle	Plate principle
Working pressure min./max.	-0.9 bar / 10 bar
Control pressure min./max.	See table below
Ambient temperature min./max.	-10°C / +50°C
Medium temperature min./max.	-10°C / +50°C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Compressed air connection	according to ANSI B1.20.3
Connector standard	ISO 15217:2000
Degree of protectionwith electrical connector/plug	IP 65
Duty cycle	100 %
mounting screw tightening torque	2.5 Nm
Weight	See table below
Materials:	
Housing	Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber; Polyurethane
Front plate	Polyamide, fiber-glass reinforced

Technical Remarks
■ 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 Bosch Rexroth, see chapter „Technical information“.

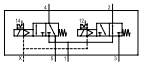
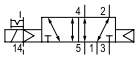
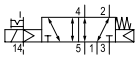
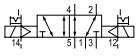
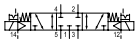
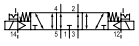
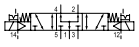
Operating voltage	Voltage tolerance	Power consumption
DC	DC	DC
		W
24 V	-10% / +10%	2

		MO	Compressed air connection	Operating voltage	Flow conductance		Flow rate value	Nominal resistance	Control pressure min./max.	Switch-on time	Part No.
			Output	DC	b	C	Qn				
						[l/(s*bar)]	[l/min]		[bar]	[ms]	
	NC/NC		1/8-27 NPTF	24 V	0.27	2.8	600	280	2.5 / 10	10	R422102125
	NO/NO		1/8-27 NPTF	24 V	0.27	2.8	600	280	2.5 / 10	10	R422102129

Valve systems → Supplementary products

Valves, Series TC08

► Qn = 600 - 800 l/min ► plate connection, pipe connection ► compressed air connection output: 1/8-27 NPTF ► Electr. connection: Plug, ISO 15217, form C ► Can be assembled into blocks ► Manual override: with detent ► double solenoid, single solenoid

		MO	Compressed air connection	Operating voltage	Flow conductance		Flow rate value	Nominal resistance	Control pressure min./max.	Switch-on time	Part No.
			Output	DC	b	C	Qn				
						[l/(s*bar)]	[l/min]		[bar]	[ms]	
	NC/ NO		1/8-27 NPTF	24 V	0.27	2.8	600	280	2.5 / 10	10	R422102133
	-		1/8-27 NPTF	24 V	0.36	3.5	800	185	2.5 / 10	14	R422101153
	-		1/8-27 NPTF	24 V	0.36	3.5	800	185	3 / 10	14	R422101157
	-		1/8-27 NPTF	24 V	0.36	3.5	800	185	2 / 10	10	R422101161
	-		1/8-27 NPTF	24 V	0.36	3.5	800	185	3 / 10	10	R422101165
	-		1/8-27 NPTF	24 V	0.36	3.5	800	185	3 / 10	10	R422101169
	-		1/8-27 NPTF	24 V	0.36	3.5	800	185	3 / 10	10	R422101173

Part No.	Switch-off time	Weight
	[ms]	[kg]
R422102125	14	0.166
R422102129	14	0.166
R422102133	14	0.166
R422101153	18	0.125
R422101157	17	0.125
R422101161	10	0.125
R422101165	11	0.125
R422101169	11	0.125
R422101173	11	0.125

MO = Manual override
push-in fitting: Brass, nickel-plated; Die cast zinc, chrome-plated
Nominal flow Qn at 6 bar and Δp = 1 bar