

**По вопросам продаж и поддержки обращайтесь:**

Архангельск (8182)63-90-72	Краснодар (861)203-40-90	Рязань (4912)46-61-64
Астана (7172)727-132	Красноярск (391)204-63-61	Самара (846)206-03-16
Белгород (4722)40-23-64	Курск (4712)77-13-04	Санкт-Петербург (812)309-46-40
Брянск (4832)59-03-52	Липецк (4742)52-20-81	Саратов (845)249-38-78
Владивосток (423)249-28-31	Магнитогорск (3519)55-03-13	Смоленск (4812)29-41-54
Волгоград (844)278-03-48	Москва (495)268-04-70	Сочи (862)225-72-31
Вологда (8172)26-41-59	Мурманск (8152)59-64-93	Ставрополь (8652)20-65-13
Воронеж (473)204-51-73	Набережные Челны (8552)20-53-41	Тверь (4822)63-31-35
Екатеринбург (343)384-55-89	Нижний Новгород (831)429-08-12	Томск (3822)98-41-53
Иваново (4932)77-34-06	Новокузнецк (3843)20-46-81	Тула (4872)74-02-29
Ижевск (3412)26-03-58	Новосибирск (383)227-86-73	Тюмень (3452)66-21-18
Казань (843)206-01-48	Орел (4862)44-53-42	Ульяновск (8422)24-23-59
Калининград (4012)72-03-81	Оренбург (3532)37-68-04	Уфа (347)229-48-12
Калуга (4842)92-23-67	Пенза (8412)22-31-16	Челябинск (351)202-03-61
Кемерово (3842)65-04-62	Пермь (342)205-81-47	Череповец (8202)49-02-64
Киров (8332)68-02-04	Ростов-на-Дону (863)308-18-15	Ярославль (4852)69-52-93

**Единый адрес:** [btk@nt-rt.ru](mailto:btk@nt-rt.ru) **Веб-сайт:** [www.burkert.nt-rt.ru](http://www.burkert.nt-rt.ru)

## **ЭЛЕКТРОМАГНИТНЫЕ КЛАПАНЫ**

Direct-acting, G 1/4



Advantages/Benefits

- ▶ Normally closed
- ▶ Body material: Brass
- ▶ Compact design
- ▶ Fluid temperatures up to 180 °C
- ▶ Coil replacement does not require fluid to be isolated

### Design/Function

Type 253 is a 2/2 normally-closed plunger-type solenoid valve. When energized, the solenoid armature is pulled-in against a spring and the valve opens.

As a standard feature, the valve seat is made of stainless steel in order to avoid erosion.

The solenoid epoxy encapsulation efficiently dissipates the heat generated by the coil.

### Applications

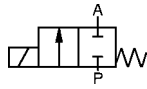
- Neutral gases and liquids, pneumatic control
- High temperatures, such as hot water, steam, hot air, thermal oils
- Heating
- Sterilizing
- Impregnating

**burkert**  
Easy Fluid Control Systems

## Technical Data

### Circuit Function

**A** 2/2-way valve,  
normally closed



### Body Material

Brass body, seat 1.4305 (DN 2), 1.4112 (DN 3)  
Valve internals 1.4105, 1.4571

### Specifications

Orifice DN [mm]	Kv-Value Water [m <sup>3</sup> /h]	Q <sub>Nn</sub> -Value Air [l/min]	Pressure Range		Weight [kg]
			AC [bar]	DC [bar]	
2	0,120	140	-	0- 6	0,33
3	0,230	240	0- 6	0- 3	0,33

All pressures quoted are gauge pressures with respect to the prevailing atmospheric pressure.

### Operating Data (Valve)

#### Seal Materials/Fluids Handled/Temp.- Range

PTFE Hot water, steam alkaline washing and  
bleaching lyes, hot oils, carbon hydroxide  
- 40 to +180 °C

For more detailed information see resistance chart  
(Leaflet No.1896009).

Max. ambient temperature +55 °C

Max. viscosity 21 mm<sup>2</sup>/s

Response times opening: 20 ms  
closing: 30 ms

Times measured at the outlet port A on energizing/de-  
energizing until attainment of pressure rise to 90 % /  
pressure drop to 10 % at a working pressure of 6 bar.

Port connection G 1/4

### Operating Data (Actuator)

Operating voltages 24, 110, 230, 240 V/50 Hz  
24 V/=

Voltage tolerance ±10 %

Power consumption AC 21 VA (inrush)  
14 VA/8 W (hold)  
DC 8 W

Duty cycle 100 % continuously operated

Cycling rate approx. 1000 c.p.m.

Rating cable plug or cable IP65

### Installation /Accessories

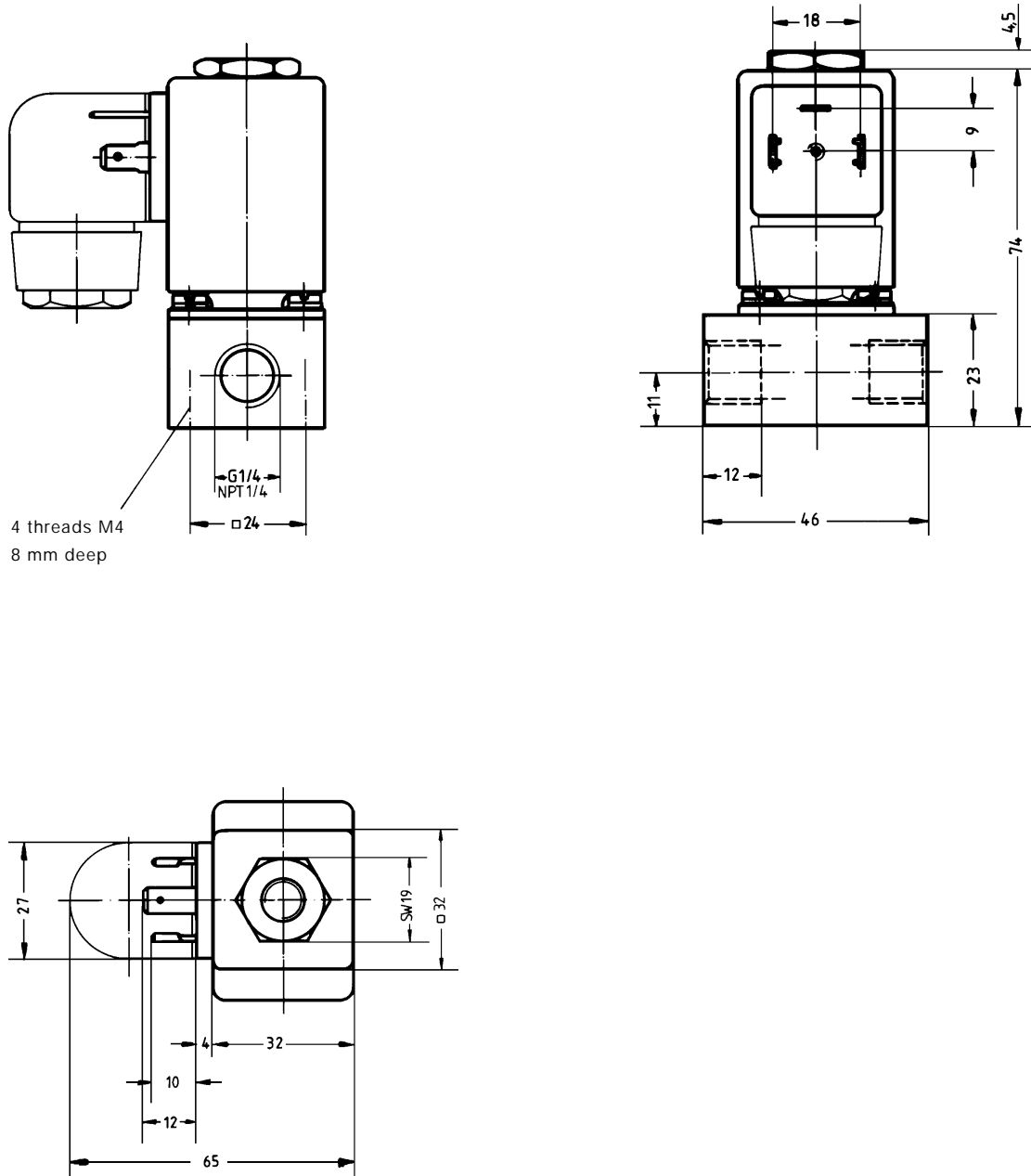
Installation as required, but preferably  
with solenoid system upright

Electrical connection

- cable plug for 7 mm ø cable (supplied as standard)
- moulded-in, temperature resistant cable (on request).

Dimensions in mm

DTS 1000010916 EN Version: A Status: RL (released | freigegeben | validé) printed: 22.09.2017



## Ordering Chart (Other Versions on Request)

Circuit Function	Orifice DN [mm]	Flow Rate		Port Connection [ISO 228]	Pressure Range [bar]	Body Material	Seal Material	Weight [kg]	Voltage/ Frequency [V/Hz]	Order-No.
		Water Kv-Value [m <sup>3</sup> /h]	Air Q <sub>Nn</sub> [l/min]							
A	02,0	0,12	140	G 1/4	0- 6	Brass	PTFE	0,33	024/=	023 096 G
	03,0	0,23	240	G 1/4	0- 6	Brass	PTFE	0,33	024/50	020 598 V <sup>1)</sup>
									024/50	018 242 H
					0- 3	Brass	PTFE	0,33	024/=	018 285 V
					0- 6	Brass	PTFE	0,33	110/50	018 014 Q
									230/50	068 579 M
									240/50	018 013 P

<sup>1)</sup> Without cable plug

