bürkert
FLUID CONTROL SYSTEMS

10 mm socket for Bürkert small solenoid valves

- Installation width 10 mm
- Cable and stranded wire version available
- Contact clearance in grid dimension 2.54 mm
- Latching

Product variants described in the data sheet may differ from the product presentation and description.

Can be combined with

	Type 6144 ▶	
	3/2-way flipper solenoid valve, direct-acting	
	Type 0127 ▶	
	Direct-acting 2/2 or 3/2 way Rocker-Solenoid Valve with separating diaphragm	
	Type 6628 ▶	
	2/2 or 3/2 way Twin-Power Rocker-Solenoid Valve with separating diaphragm	
	Type 6624 ▶	
	2/2 and 3/2 way Bürkert TwinPower rocker solenoid valve with separating diaphragm	

Type description

Plug connection with latching lug for contacting Bürkert solenoid valves with rectangular plug connector. This robust and affordable plug connection has become well established for all Bürkert small solenoid valves in the fields of analysis technology and process pneumatics. Besides stranded wire and cable versions, push-in connectors for printed circuit board (PCB) installation are also available.

Table of contents

1.   General Technical Data

| Product properties	
Dimensions	Detailed information can be found in chapter "3. Dimensions" on page 4.
Material	
Body	Cable version with straight push-in connector: POM and PA Cable version with angled push-in connector: ABS Flying leads version: POM PCB mounting: PA
Contact	Brass gilded
Coating	PVC
External cable diameter	Cable version with straight push-in connector: approx. 4.1 mm (2 pin), approx. 4.2 mm (3 pin) Cable version with angled push-in connector: approx. 3.3 mm Flying leads version: approx. 1.35 mm ($0.14\ mm^2$), approx. 1.5 mm ($0.25\ mm^2$)
Core cross-section	Cable version with straight push-in connector: $0.25\ mm^2$ Cable version with angled push-in connector: $0.14\ mm^2$ Flying leads version: $0.14\ mm^2$ oder $0.25\ mm^2$
Cable outlet	Straight or angled
Locking	Yes
Cable ends	Cable version with straight push-in connector: end ferrule Cable version with angled push-in connector: not stripped Flying leads version: blank
Minimum bending radius	
Cable version	Single bend: 10 x outer diameter Multiple bending: 15 x outer diameter
Flying leads version	Single bend: 5 x outer diameter Multiple bending: 10 x outer diameter
Electrical data	
Nominal voltage	0…50 V AC/DC
Maximum current rating	1 A
Contact resistance	Approx. 20 mOhm
Environment and installation	
Degree of protection	IP30
Ambient temperature	-10…80°C

2.   Product versions

Cable version with straight push-in connector (coating color grey)	Cable version with straight push-in connector (coating color black)	Cable version with angled push-in connector
Flying leads version	**Push-in connector for self-assembly**	**Push-in connector for PCB mounting**

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3. Dimensions

3.1. Cable version with straight push-in connector

Note:
Dimensions in mm

Application example:
3-pole cable version, with single bend
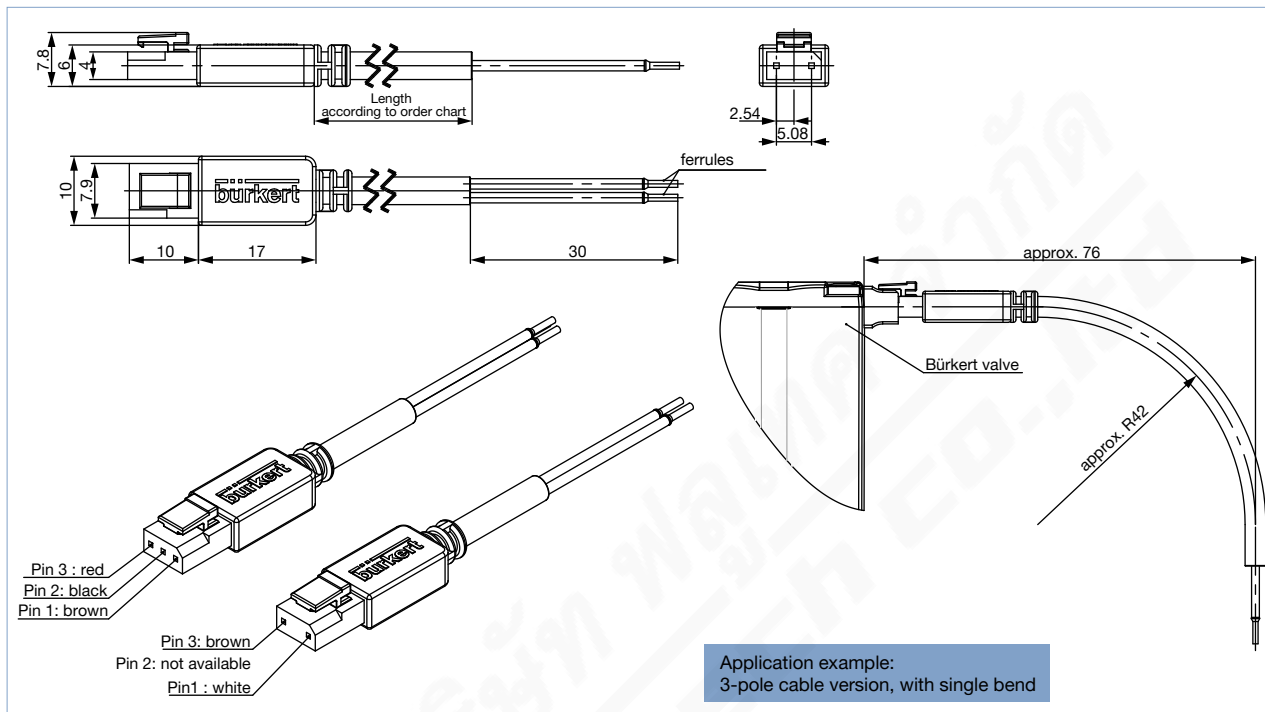
Description	Cable length	Article no.
2 pin push-in connector, coating color grey		
	0.5 m	260807 🛒
	3.0 m	252572 🛒
	5.0 m	255194 🛒
3 pin push-in connector, coating color black		
	0.5 m	260833 🛒
	3.0 m	252573 🛒

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3.2. Cable version with angled push-in connector

Note:

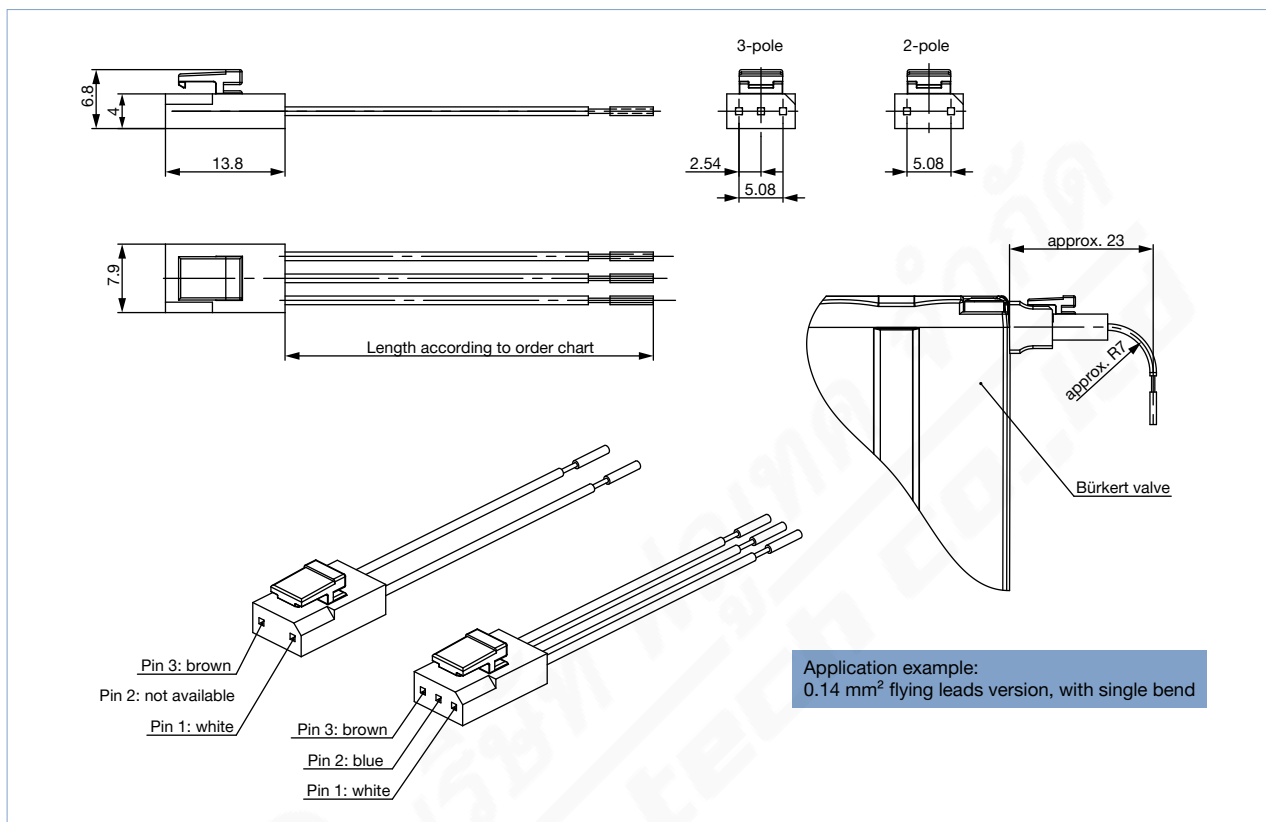- Dimensions in mm
- Plug with cable outlet at the top on request

Pin 2: brown
not used
Pin 1: white

Bürkert valve

Application example
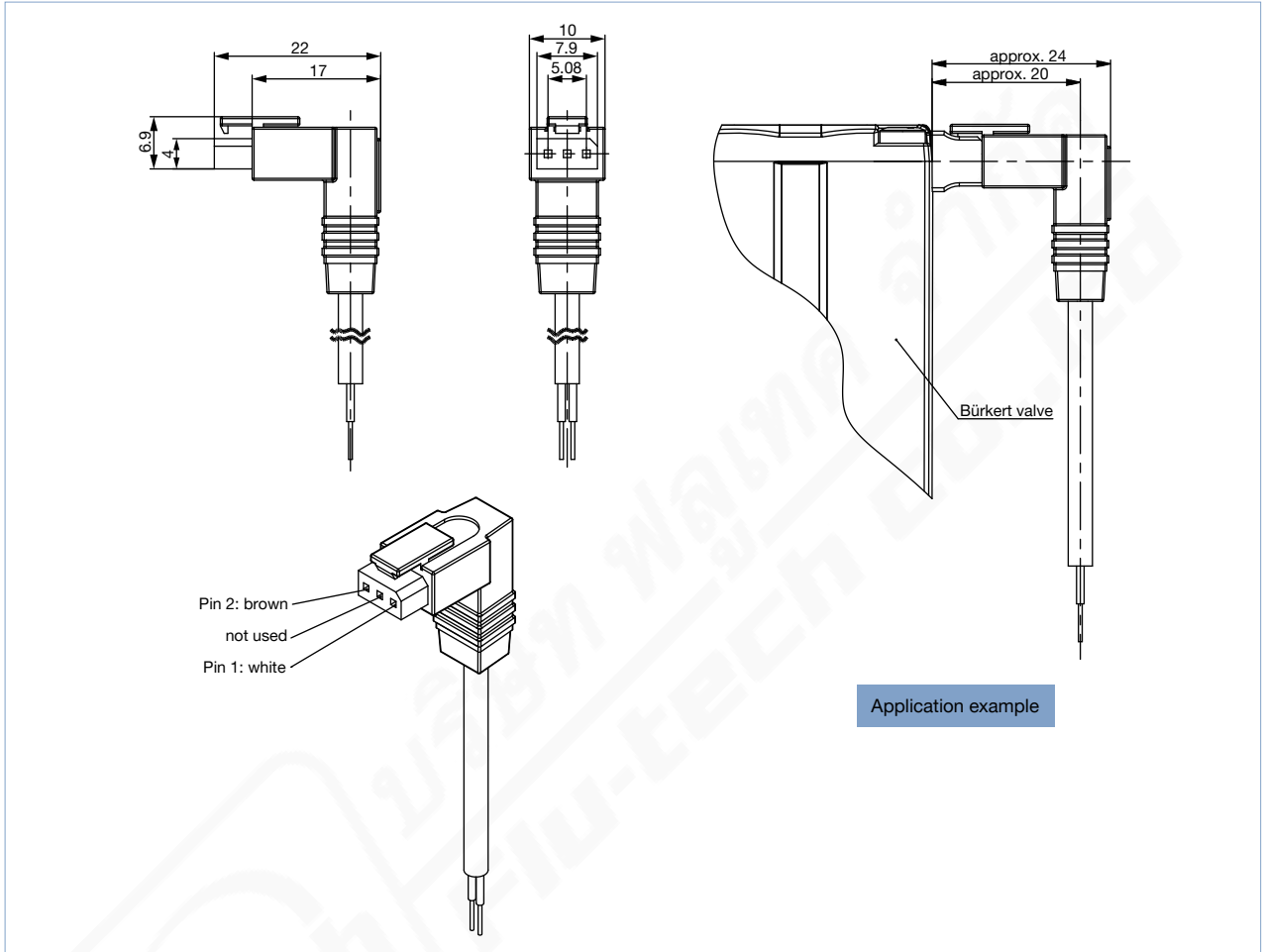
Description	Cable length	Article no.
2 pin push-in connector, coating color grey		
	3.0 m	381035
	5.0 m	auf Anfrage

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3.3. Flying leads version

Note:
Dimensions in mm

Application example:
0.14 mm² flying leads version, with single bend

Flying leads version

Description	Core cross-section	Flying leads length	Number of terminals	Article no.
Push-in connector with single flying leads				
	0.14 mm²	300 mm	2	644068
		600 mm	2	162144
		300 mm	3	212968
	0.25 mm²	300 mm	2	262346
		600 mm	2	262351
		300 mm	3	262350

Connector self-assembly

Description	Suitable for core cross-section	Number of terminals	Article no.
Push-in connector housing, locking, with loose crimp contacts			
	0.08…0.34 mm² (corresponds to AWG 28 - AWG 22)	2	644067

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3.4. Push-in connector for PCB mounting

Note:
Dimensions in mm

2.54
5.08
4
7.9
Drill diameter PCB: Ø 1.0 mm
3.1
Plug height according to ordering chart (7 resp. 11mm)

Article no. 645527   Article no. 645526

Application example:
Valves contacted via PCB
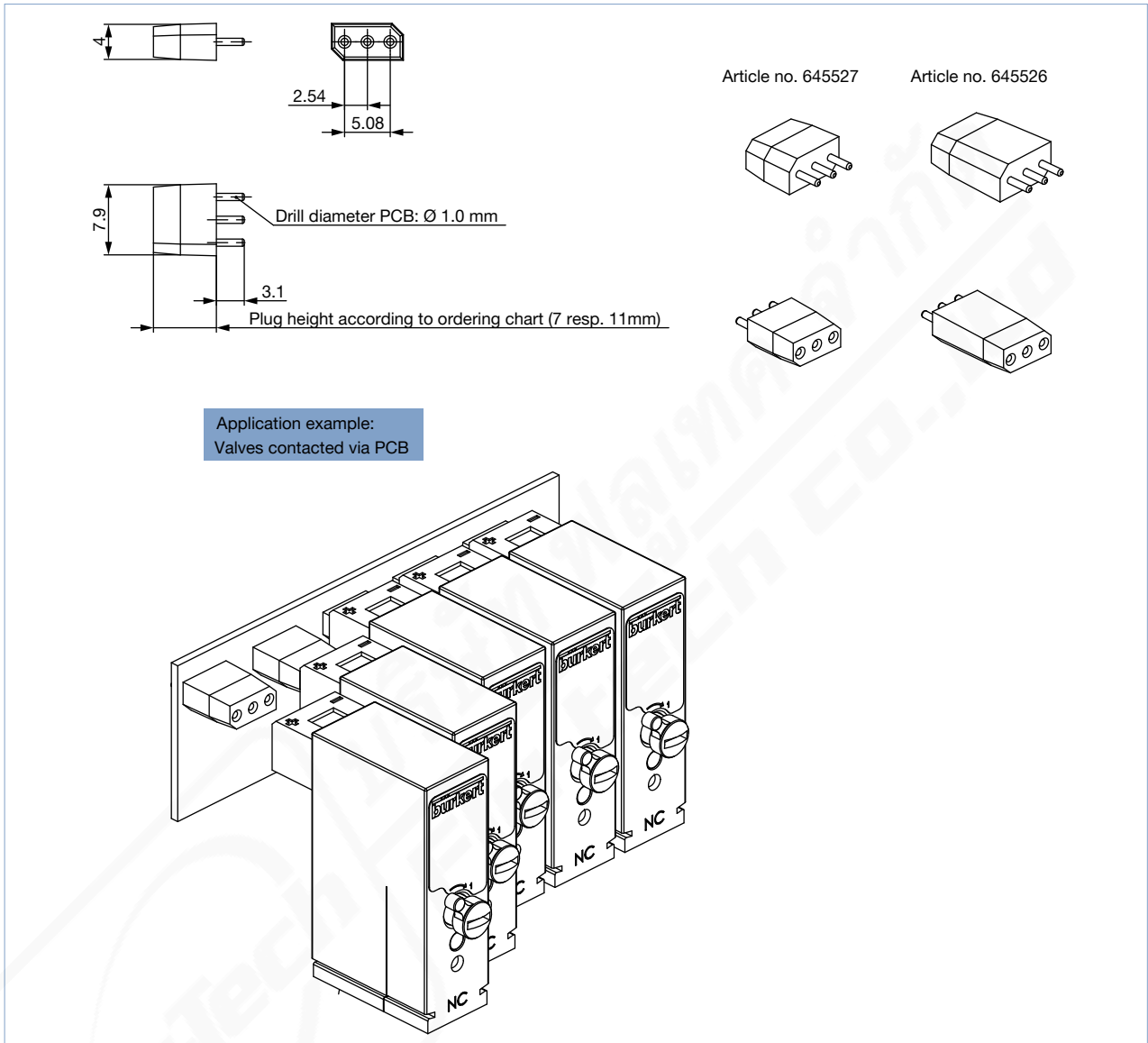
Description	Mated height	Article no.
3 pin push-in connector, grid dimension 2.54 mm, non-locking		
	7 mm	645527 🛒
	11 mm	645526 🛒

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4. Ordering information

4.1. Bürkert eShop – Easy ordering and quick delivery

Bürkert eShop – Easy ordering and fast delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

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4.2. Bürkert product filter

Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements?
Use the Bürkert product filter and find suitable articles for your application quickly and easily.

Try out our product filter

4.3. Ordering chart

Cable version with straight Push-in connector

Detailed ordering information can be found in chapter "3.1. Cable version with straight push-in connector" on page 4.

Cable version with angled Push-in connector

Detailed ordering information can be found in chapter "3.2. Cable version with angled push-in connector" on page 5.

Flying leads version

Detailed ordering information can be found in chapter "3.3. Flying leads version" on page 6.

Push-in connector for self-assembly

Detailed ordering information can be found in chapter "3.3. Flying leads version" on page 6.

Push-in connector for PCB mounting

Detailed ordering information can be found in chapter "3.4. Push-in connector for PCB mounting" on page 7.