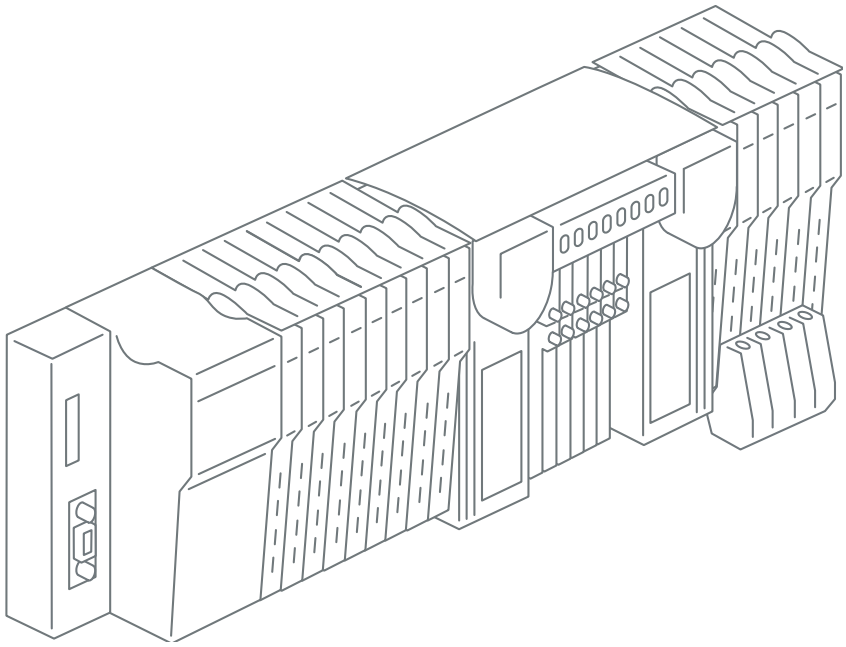
bürkert
FLUID CONTROL SYSTEMS

Type 8644
with Phoenix Inline

Automation System AirLINE with Phoenix Inline



Type 8644

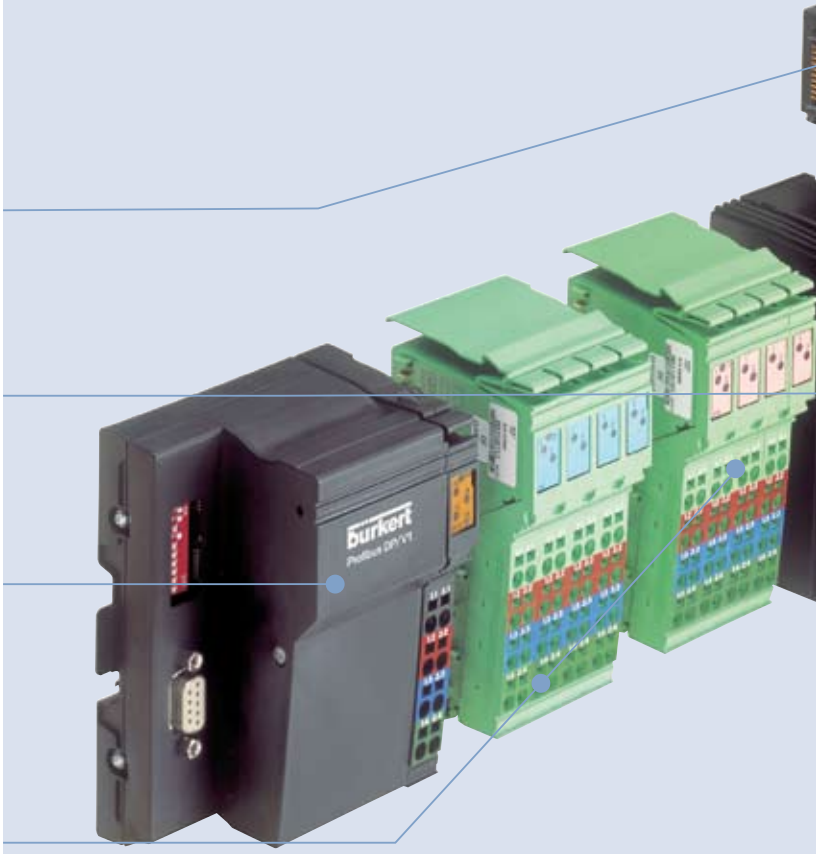
Features

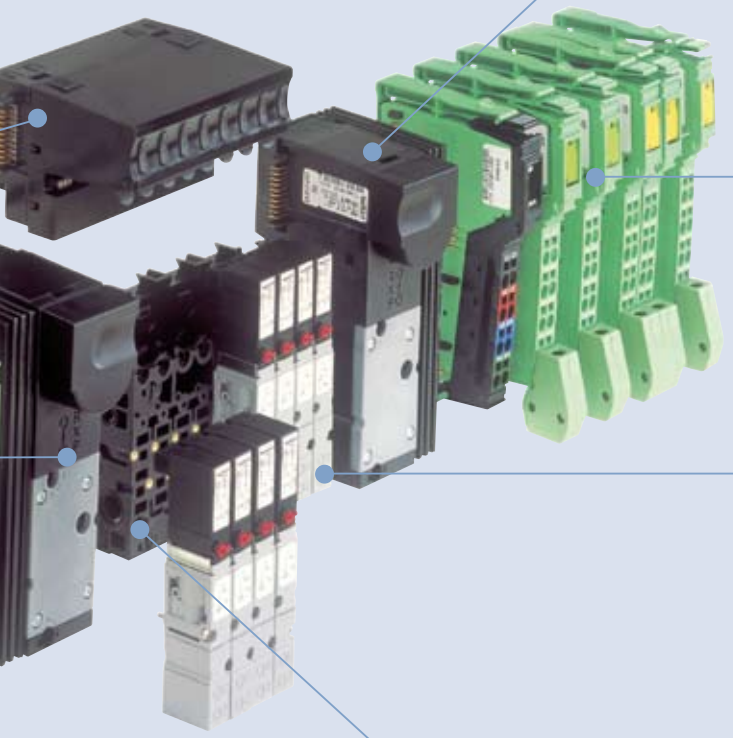
- groundbreaking modular system in protection class IP 20 with multiple communication possibilities including Profibus DP, PROFINET, Interbus, Ethernet/IP, DeviceNet, CANopen
- wide range of both digital and analogue switch and sensor input modules combined with digital and analogue output modules
- unique availability for different valve pressure ranges on one block
- simple replacement of valves incorporating pressure shut-off even during operation
- unrivalled protection via integrated check valves
- customised turnkey solutions with certified control cabinets
- user-friendly configuration

AirLINE Type 8644 with Phoenix Inline: Modular valve island for pneumatics with fieldbus and digital and analogue in- and output modules

Modular Assembly—AirLINE Type 8644 with Phoenix Inline

- basic electrical modules for valves supply
- electrical and pneumatic supply module
- communication modules: Profibus DP, PROFINET, Interbus, Ethernet/IP, DeviceNet, CANopen
- digital and analogue in- and output modules for the detection of sensor inputs and the control of actuators





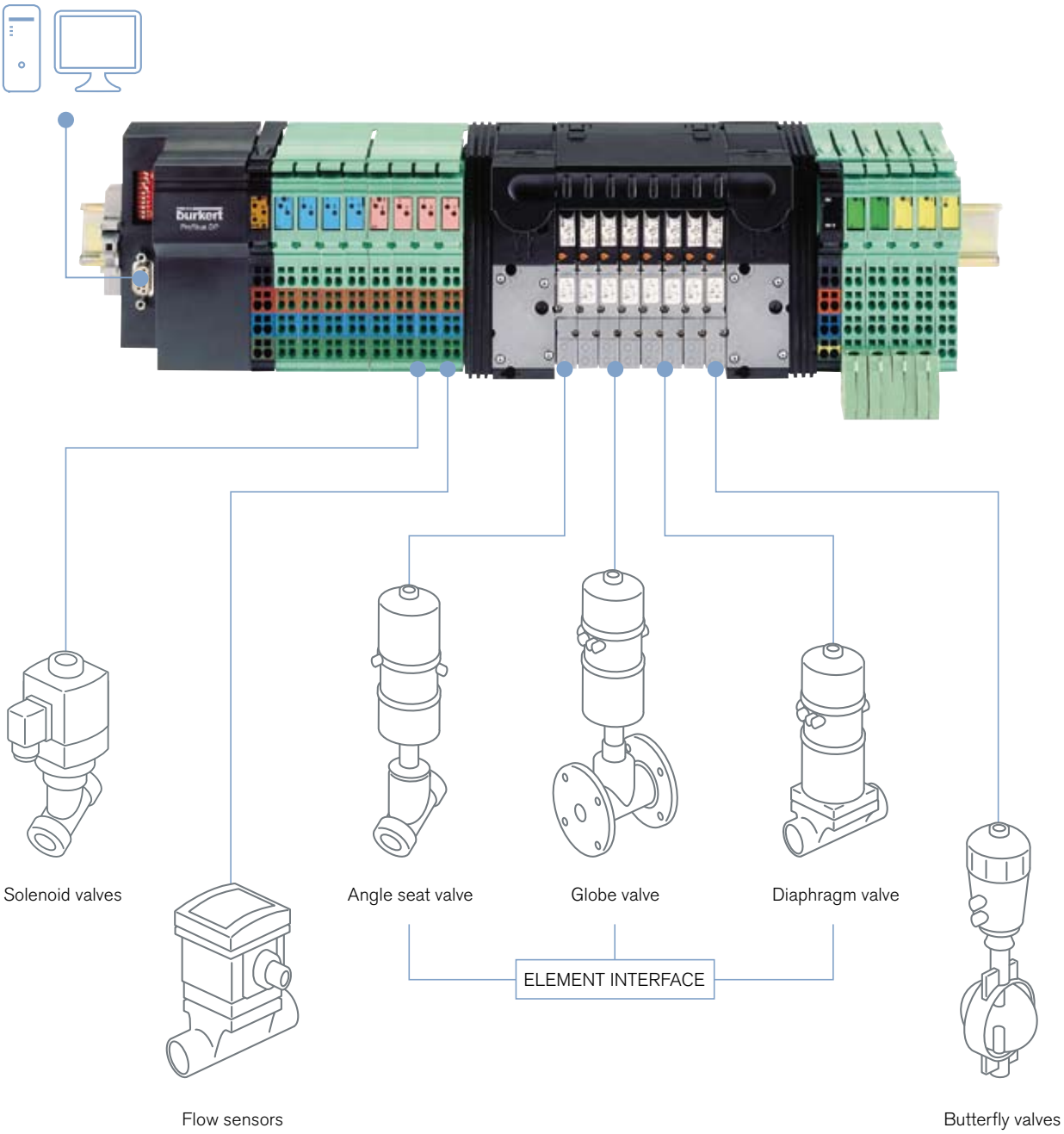
- electrical and pneumatic supply module
- additional digital and analogue in- and output modules for the detection of sensor inputs and the control of actuators
- possibility to combine up to 64 different valve functions on a single valve block:
  – 3/2 way valve
  – 5/2 way valve
  – 2x3/2 way valve
  – 5/2 way valve bistabile
  – 5/3 way valve
- pneumatic basic modules with features
  – P shut-off: replacement of valves during operation possible
  – additional protection in your device with check valves

Possible Functions—Valve Island for Pneumatics

		Flow rate			
		200 l/min	300 l/min	500 l/min	700 l/min
Electrical control	Single wiring				
	Common connection				
	Multipin				
	Profibus—DP	●	●	●	●
	PROFINET	●	●	●	●
	Interbus	●	●	●	●
	Modbus				
	CC-Link				
	CANopen	●	●	●	●
	DeviceNet	●	●	●	●
	Ethernet	●	●	●	●
	ASI				
	RIO				
I/O module	Digital input	●	●	●	●
	Digital output	●	●	●	●
	Analogue input	●	●	●	●
	Analogue output	●	●	●	●
Valve function	3/2 way		●		●
	2x3/2 way		●		
	5/2 way—monostabile		●		●
	5/2 way—bistabile	●		●	
	5/3 way	●		●	
Width per station	11 mm	●	●		
	16,5 mm			●	●
	19 mm				
	33 mm				
Pressure range	Vacuum		●		●
	1-7 bar		●		●
	1-8 bar		●		●
	1-10 bar		●		●
	2-7 bar	●	●		●
	2-10 bar		●		●
	2,5-7 bar		●	●	●
	2,5-10 bar		●		●
Material	Polyamid (PA)		●		●
	Aluminium	●		●	

Open for all Functionalities

AirLINE type 8644 uses digital and analogue inputs for the control of sensor signals and uses digital and analogue outputs for the control of complete decentralised control systems. Our expertise lies in the supervision and control of complete loops including flow, pressure, temperature and level.



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www.wolf-corporate.de

Bürkert Fluid Control Systems
Christian-Bürkert-Straße 13-17
74653 Ingelfingen
Germany

Tel. +49 (0) 7940/10-0
Fax +49 (0) 7940/10-91 204

info@burkert.com
www.burkert.com