

DISTRIBUTOR NEWSLETTER

Q2 2021

[Addition of Rockwell Automation EDS File Keys, Add-On Instructions, and Add-On Profiles](#)

Files that can be downloaded from the internet and installed into your engineering tool to make PLC programming easier

[The “IT” List – Top Types Searched on Our Site](#)

The top 4 items of 2021’s most searched Types on the Burkert website.

[Future Proofing Solutions for Extreme Weather Events](#)

When unusually cold weather struck Texas, frozen valves were an opportunity to upgrade and replace putting the future in mind



Device Integration @ Bürkert

Motivators:

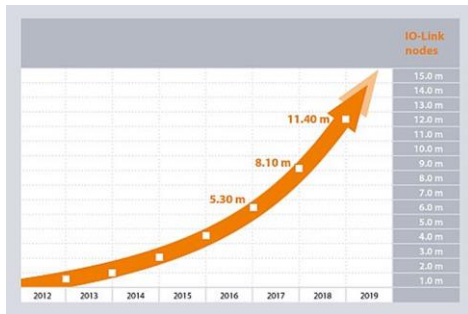
- Increased market demand to make device integration as simple as possible
- Field devices today are more intelligent and provide more information

Unique value to the user:

- Accessing more device information and parameters without an additional tool
- Creating value by making the process time efficient
- Enhanced User-Experience: faster and streamlined

IO-Link - On it's way up!

- Digital interface for sensors and actuators
- Point to point connection, therefore NOT a fieldbus
- Initial focus on Factory Automation with an increasing relevance for Process Automation as well
- Simple and easy installation via standardized M8, M12 connectors



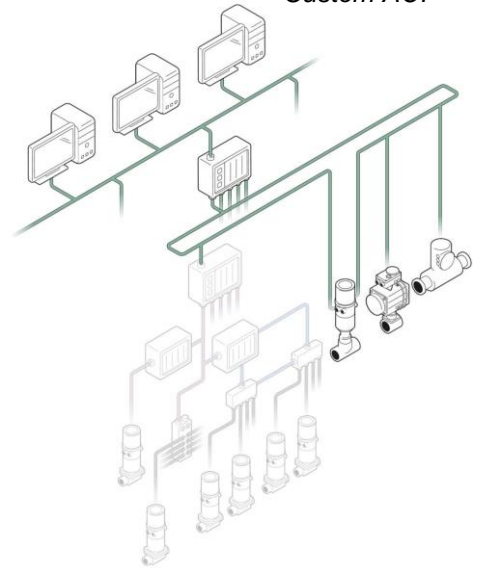
Use
IO-Link
 Universal · Smart · Easy

IO-Link IODD

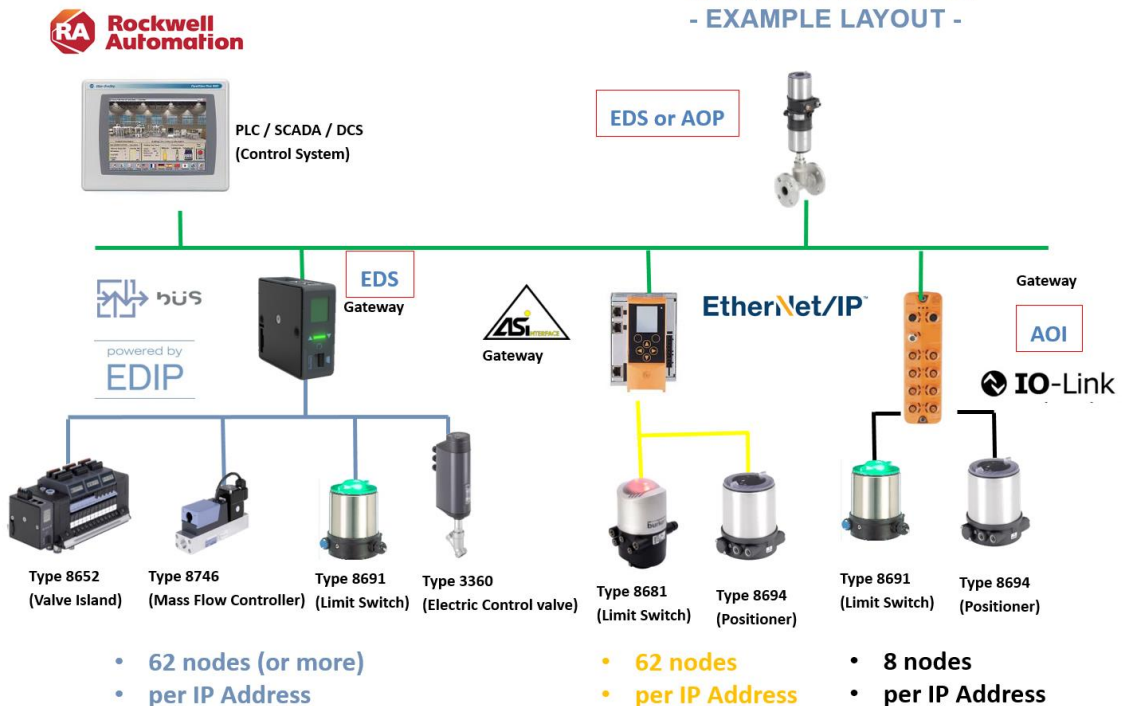
PROFI BUS GSD

PROFI NET GSDML

EtherNet/IP EDS / EDS-AOP / Custom AOP



NETWORK TOPOLOGY - EXAMPLE LAYOUT -



Addition of Rockwell Automation EDS File Keys, Add-On Instructions, and Add-On Profiles

Files that can be downloaded from the internet and installed into your engineering tool (i.e.: Rockwell Studio 5000) to help make PLC programming easier

- AOP is short for “Add On Profile” (plug n’ play)
- AOI is short for “Add On Instruction” (install drivers, set-up parameters)
- EDS is short for “Electronic Data Sheet” (specific instruction manual for set-up)



Process monitoring

- Ease and speed of programming
- Better structure of data from nodes in a network



Reliable operation, predictive maintenance

- High-level availability
- End-to-end digital communication with the control level
- Extensive diagnostic functions



Reduced maintenance

- Easier diagnostics by utilizing advanced data
- Quicker fault identification by using logical arrangements



Standardisation

- Simple automation of all process valves throughout the plant
- Application based screens
- Customization of HMI to improve user experience

Without

- A message function needs to be set-up each time data is sent to or received from a device
- Initial set-up could take 2–3 hours to set message functions up for a single valve
- Without access to these integration tools, the value of digital networks is underutilized and wasted

With

- Ability to retrieve and access significantly more information & data
- AOI/AOPs reduce initial programming time by 70% or more
- Only 5–10 minutes would be needed to set up with an EDS

Electronic Data Sheet (EDS)

- 8652 Valve Manifold (Island)
- ME43 bÜS Gateway
- 87XX Mass Flow Meter/Controller
- 8619 Multifunction Controller
- 8098 FLOWave SAW Flowmeter



Add-On Instruction (AOI)

- 8653 Valve Manifold (Island)
- 8691, 8695 Limit Switch
- 8694, 8696 Modulating Positioner for Control Valves
- 8681 Limit Switch for 3rd Party Seat Valves



Add-On Profile (AOP)

- 8644 Valve Manifold (Island)
- 8652 Valve Manifold (Q3/2021)
- 8692 Modulating Positioner for Control Valves (May 2021)
- 8693 Modulating (PID) Controller for Control Valves (May 2021)
- 8098 FLOWave SAW Flowmeter (Q4/2021)







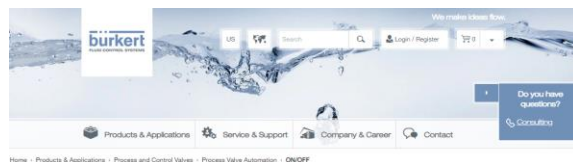
Without these integration tools, the value of digital networks is underutilized and wasted.
It's like buying a Porsche and never going above 25MPH...

Where do I find the AOP/AOI/EDS files on the Burkert website?

- On either the article/item # page OR on the Type Number page scroll down to software it he downloads section
- This will offer several zip files and may include both an AOP/AOI and EDS files
- Not all product downloads have been released and posted to the website yet, but will be within the next couple of weeks if they are not up there yet

Software

| | Description | Filesize | Language / Country |
|---|--------------------------------|----------|--------------------|
|  | Add-On-Instruction A.01 | 1 MB | ML |
|  | Buerkert Communicator 5.1.3 | 536 MB | ML |
|  | Initiation Files EDS IOOD A.04 | 4 MB | ML |
|  | PC-Programm Typ 8681 2.19 | 2 MB | ML |



Type 8681 - Control head for decentralized automation of hygienic process valves

Print Share



Type Description

The control head Type 8681 is optimized for decentralized automation of hygienic process valves. Thanks to its universal adapter it can be combined with all normal commercial butterfly valves, ball valves, single and double seated valves. With a decentralized automation concept, the control head takes over all pneumatic actuation, feedback and diagnostic functions including field bus communication. The housing is easy to clean and features process IP protection and chemically resistant materials for use in hygienic processing in food, beverage and pharmaceutical industries. Depending on the process valve type, up to 3 pneumatic actuator chambers can be controlled independently from each other. The switching speeds of both movement directions can be set separately. A built-in check valve prevents incorrect switching of process valve actuator chambers which could result from back-pressure. The process valve switching positions are detected by an inductive, analogue position sensor and reported to the PLC system. Up to 3 switching points can be actuated automatically by a Teach-In function. Additionally a fourth switching position can be read in and set back via an external inductive proximity switch. The coloured status display outside the actuator indicates valve switching position or indicates a diagnostic.

Specific products may differ slightly from the image shown.

Please consider the technical attributes.



Where do I find the [Webinar On-Demand](#) on Rockwell Automation AOP/AOI/EDS files?



- In the Distributor Toolbox there is a link to all our webinars on demand (landing page)
- Each webinar video requires a brief form to be completed that lets us know who is accessing this content as a lead generation tool

As part of our ongoing commitment to making it easier to work with Burkert, we have assembled some of the most requested information and tools available for you in this toolbox.

Quick Delivery Program

The Quick Delivery Program Landing Page

Using the Burkert E-Shop/My Burkert (formerly E-Motion)

Using the Burkert E-Shop/My Burkert (landing page)
 My Burkert - Customer Portal: My Services (video)
 My Burkert - Customer Portal: My Quotes (video)
 My Burkert - Customer Portal: My Orders (video)
 My Burkert - Customer Portal Overview (video)

Configurators and Product Selection Tools

Ball Valve Configurator
 Spare & Wear Parts Catalog
 US Type 2000 Locally Assembled non-ATEX vs. Imported ATEX Crossover List

Literature & Templates

Distributor Personalization Label Request
 USA Short Form Catalog
 USA Newspaper

Newsletters & Mailers

US Distributor Newsletter - Q1 2021
 US Distributor Newsletter - Q4 2020
 US Distributor Newsletter - Q3 2020

Videos & Training

Tips & Tricks to better use the Burkert E-Shop and MyBurkert Portal (NEW)
 Distributor Toolbox Training (on-demand)
 Burkert USA YouTube Page (local content)
 Burkert USA Video Favorites (from other Burkert offices around the world)

[Webinars On-Demand \(use this link\)](#)

We welcome you to check out our library of On-Demand Webinars by clicking the images below:



Angle Seat vs. Ball Valves: Taking a look at the properties of each valve technology, advantages and disadvantages, and applications suited for each style of valve.



Distributed Plant Automation for Safe Production: Reliable process control and continuous monitoring solutions



Decentralized Process Automation: Industrial Communication and Intelligent Valve Solutions



Timely Topic with Future Proofing Solutions

Bad Weather is to be expected in the North and the Midwest, but when Texas & the South were struck by unseasonably frigid temperatures, valves could not take the freeze and in order to get water and power flowing once again it took some rapid response time and creative utilization of the quick delivery program.

See how both Burkert & Eagle Sensors & Controls took actions to specify products that will not put these municipalities in the same bad situation in the future.

Burkert USA Corp
3,295 followers
1mo • 🌐

Remember the CRAZY weather in Texas and the South East recently?? It brought with it the realization that many solenoid valves in the field are not equipped to operate at freezing temperatures... Replace those frozen valves with solutions that are ready to take on the next big chill! [#wemakeideasflow](#) [#solenoidvalves](#) [#builttough](#)




Don't Get Stuck with Frozen Solenoid Valves - Bürkert Fluid Control Systems
burkert-usa.com • 1 min read

01 Mar 2021

Don't Get Stuck with Frozen Solenoid Valves
Extreme Cold Weather in Texas and the South East leaves many scrambling to replace broken Solenoid Valves - We're here for you!

Print • Share



Due to the *unprecedented inclement weather* we experienced in Texas and the South East recently – Burkert USA has received an influx of requests for valve replacements for Burkert solenoid valves and those of our competitors. These workhorses simply couldn't handle the extreme temperatures and *2021* is the opportunity to future-proof your replacement valves.

We offer the Type 6281EV 1/2" to 2" and 6213EV (up to 1") in brass or stainless rated -22°F to 131°F ambient temperature when you order the Hazloc Approval which are UL listed, Class 1 Div 2 and Atex Approved.

We also offer Type 6282 valve 1/2" to 2" in brass or stainless rated -40°F to 140°F ambient temperature when you order the Hazloc Approval are UL Listed, Class 1 div 2 and Atex Approved.

Burkert valves can resolve the problems with low ambient temperatures not just for now, but also the future.


Contact us here with your application requirements!

913-599-2444 eagleensors@excelautomationinc.com

EAGLE Sensors & Controls
Distributor of Excel Automation, LLC
Distributing innovative products and solutions to U.S. manufacturing companies since 1978.

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bürkert **EAGLE Sensors & Controls**

EAGLE SENSORS AND BURKERT
Eagle Sensors and Burkert worked together to help a Texas Water department get their water back up and running during the horrid snow-storm.

Eagle Sensors and Controls helped a Texas water department during the horrid snowstorm with the power of Burkert solenoid valves.

Due to the unprecedented inclement weather experienced in Texas, Burkert has received an influx of requests for valve replacements for both Burkert solenoid valves and those of our competitors. These workhorses simply could not handle the extreme temperatures and now is the opportunity to future-proof those replacement valves.

Fred Saylor of Eagle Sensors worked personally on helping a water department in Texas.

"... The Texas water department froze up and this valve was damaged beyond repair. It was obsolete, so I worked with Burkert to find the perfect replacement. The problem was it had a 17-business day lead time. But Burkert helped me find a different solenoid valve that met the requirements and was in stock. Eagle Sensors got the order in and the Solenoid Valve was sent directly to the customer. This will get a critical piece of the water departments process equipment back up and running."

Helping customers specify Burkert valves can resolve the problems with low ambient temperatures not just for now, but also well into the future should we see these record temperatures again.

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Check out this Distribution Partner **Excel Automation, LLC** feature on how they were able to use Burkert to help get the Texas Water Department back online after severe winter storms this year. [#wemakeideasflow](#) [#wemakewaterflowtoo](#)

Excel Automation, LLC
123 followers
1mo • 🌐

Today we are talking about how Eagle Sensors worked with **Burkert USA Corp** to help a Texas Water Department get back up and running after being hit by the horrid snowstorm.

To read the full article, click here:
<https://lnkd.in/gqpDH3a>

[#excel](#) [#automation](#) [#excelautomation](#) [#burkert](#) [#industry](#) [#texas](#) [#automationsolutions](#) [#automationtechnologies](#) [#automationeverywhere](#) [#automationanywhere](#) [#automationindustry](#)

EAGLE Sensors & Controls

bürkert

Eagle Sensors & Burkert Helped a Texas Water Department

EXCEL AUTOMATION LLC

Collaborative Sharing for Content Exposure


Celebrating 50 years in 2021 is our distribution partner, Rodem – Smart Sanitary Processes. Their Marketing Director, LeighAnn Diener Gunter, recently had an article published in Pumps & Systems magazine on Mixproof Valves. While Burkert does not manufacture mixproof valves, we do offer the [Type 8681 Universal Control Head](#) (now with Rockwell AOI) that fits the majority of mixproof valves on the market. With her permission, LeighAnn allowed Burkert to republish the content on our site and share on social media with refreshed images showing Burkert control head on Alfa Laval valves.

This allowed for additional exposure to the article, shared a Burkert alternative option for the control package, and still publicized the same content that was originally shared. Collaboration using existing content extends the shelf life of the materials and broadens the audience reach for these resources. A big thank you to LeighAnn and congratulations to Rodem on 50 years!



Burkert USA Corp
3,295 followers
3w •

Large-scale dairy, food, beverage and other high-purity producers that want to enhance their process while eliminating the risk of fluid cross-contamination should consider mixproof valves as a solution. Understanding the working principles of mixproof valves, associated benefits and best applications for use is step No. 1. Thanks to our distribution partner **Rodem - Smart Sanitary Processes & LeighAnn Diener Gunter** for sharing this article with our team. [#wemakeideasflow](#) [#fluidcontrol](#)




Mixproof Valves 101: Working Principles, Control Systems
www.burkert-usa.com • 5 min read

PUMPS&SYSTEMS

Home

Mixproof Valves 101: Working Principles, Benefits & Applications



The two independent plug seals separate fluids and minimize leakage.
by LeighAnn Diener Gunter
Rodem
02/01/2021


f in

LeighAnn Diener Gunter • 1st
B2B Marketing Manager, Communication & Collaboration Enthusiast
2mo • Edited •

It's official. I'm a published author. ☐

Thanks to Jennifer Fravel our Valve Subject Matter Expert at Rodem - Smart Sanitary Processes for double checking my work and Roger Ashton at Alfa Laval for teaching me everything I know about MP valves (and for letting me keep the training materials as reference!).

[#valves](#) [#dairyindustry](#) [#foodmanufacturing](#) [#foodprocessing](#) [#foodprocessingequipment](#)



Mixproof Valves 101: Working Principles, Benefits & Applications
pumpsandsystems.com • 4 min read

Mixproof Valves 101: Working Principles, Benefits & Applications

Large-scale dairy, food, beverage and other high-purity producers that want to enhance their process while eliminating the risk of fluid cross-contamination should consider mixproof valves as a solution. Understanding the working principles of mixproof valves, associated benefits and best applications for use is step No. 1.

Print



Article By LeighAnn Diener Gunter of Rodem - an Authorized Burkert Distributor

The “IT” List – Top Types Searched on Our Site

Care to know what users are looking for on www.burkert-usa.com?

The following 4 items are 2021’s most searched Types on the Burkert website.



Type 8692 - Digital Electropneumatic Positioner for the integrated mounting on process control valves

- Compact, robust stainless steel design
- Easy start-up by automatic X-Tune function
- Contact-free position sensor
- Integrated control air routing with spring chamber aeration
- EtherNet/IP, PROFINET, Modbus TCP, PROFIBUS DP-V1, DeviceNet or Bürkert system bus (bÜS)



Type 6213 - Servo-assisted 2/2 way diaphragm valve

- Servo-assisted diaphragm with diameter of up to DN40
- Spring coupled diaphragm opens without differential pressure
- Damped design for quiet closing
- Compact construction with high flow rate
- Energy-saving double coil technology with kick and drop design



Type 8694 - Digital Electropneumatic positioner for the integrated mounting on process control valves

- Compact, robust stainless steel design
- Start-up by automatic TUNE-function
- Contact-free position sensor
- Integrated control air routing
- AS-Interface, IO-Link or Bürkert System bus (bÜS)



Type 6013 - Plunger valve 2/2 way direct-acting

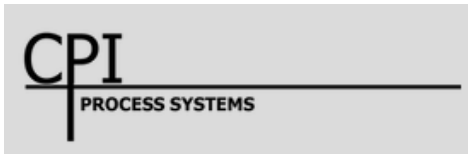
- Direct-acting and compact valve up to diameter of DN 6.0
- Vibration-proof, bolted coil system
- Increased leak-tightness with welded plunger guide tube
- Explosion proof versions
- Energy-saving pulse versions

Celebrating Successes

These distribution partners have actually *doubled* their Burkert sales from Q1 2020 vs. Q1 2021! Amazing achievement for these dedicated teams. We appreciate your industrious efforts immensely!



Butler & Land Technologies, LLC
Industrial Automation & Electrical Test Equipment



Latest Videos: Please Share on Social Media

Tired of being the USA's best kept secret in process automation specialists, Burkert is creating dynamic and social media shareable video content now more than ever. Please help us share our capabilities and portfolio with your audiences!





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Want to help us make this newsletter more relevant for you?

Email feedback on what you would like to see included in upcoming issues to us at marketing-usa@burkert.com.