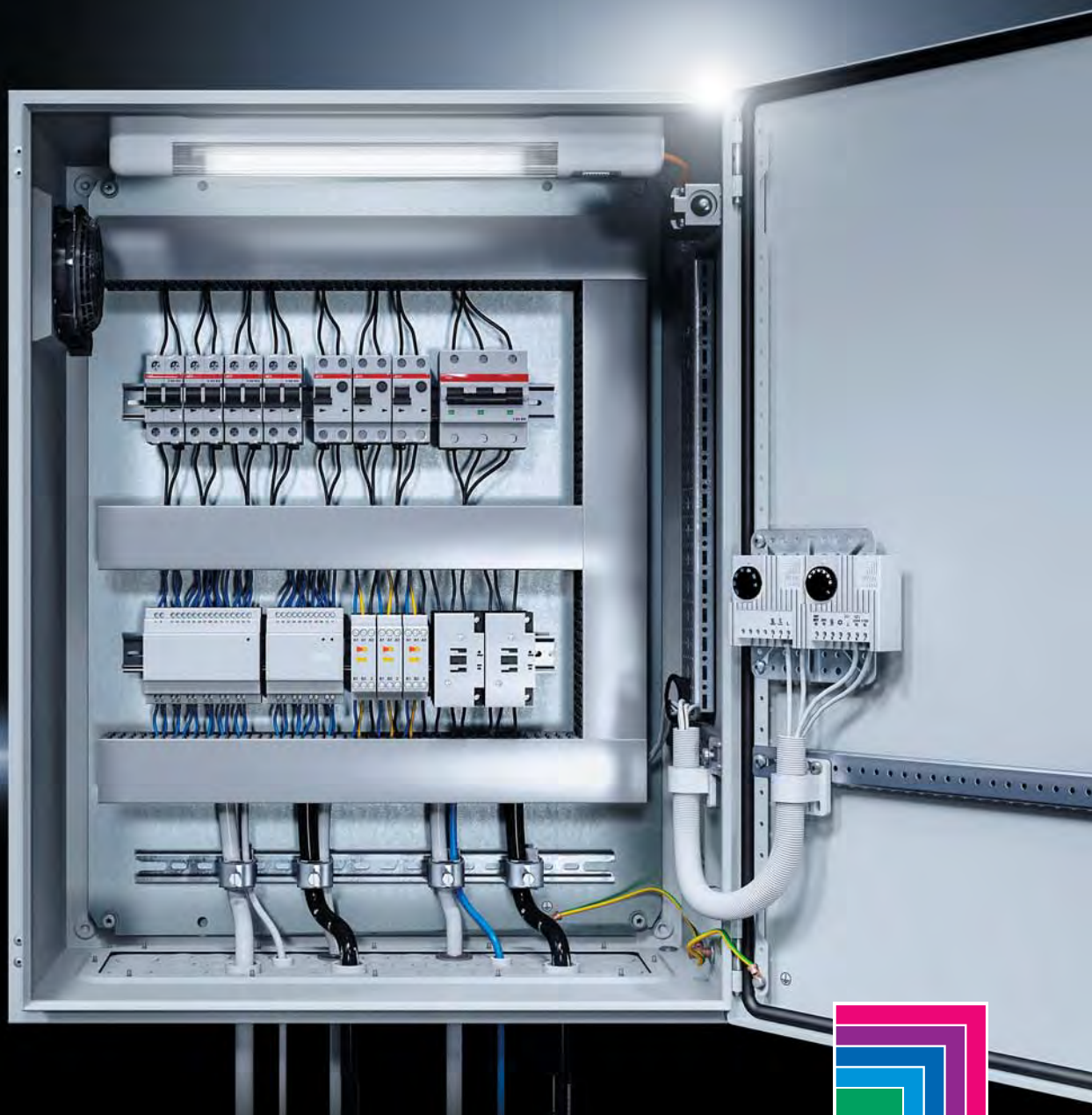


# Rittal – The System.

Faster – better – everywhere.

► **Our expertise – your benefit.**  
**AE – Available off the shelf.**



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# The whole is more than the sum of its parts

The same is true of “Rittal – The System.” With this in mind, we have bundled our innovative enclosure, power distribution, climate control and IT infrastructure products together into a single system platform. Complemented by our extensive range of software tools and global service, we create unique added value for trade and industry: Production plant, test equipment, facility management and data centres. In accordance with our simple principle, “Faster – better – everywhere”, we are able to combine innovative products and efficient service to optimum effect.

**Faster** – with our “Rittal – The System.” range of modular solutions, which guarantees fast planning, assembly, conversion and commissioning with its system compatibility.

**Better** – by being quick to translate market trends into products. In this way, our innovative strength helps you to secure competitive advantages.

**Everywhere** – thanks to global networking:

- 13 production facilities with almost 250,000 m<sup>2</sup> production space worldwide
- 58 subsidiaries
- Around 90 warehouse facilities with more than 180,000 pallet locations and over 260,000 m<sup>2</sup> storage space worldwide

**Our expertise – your benefit.**

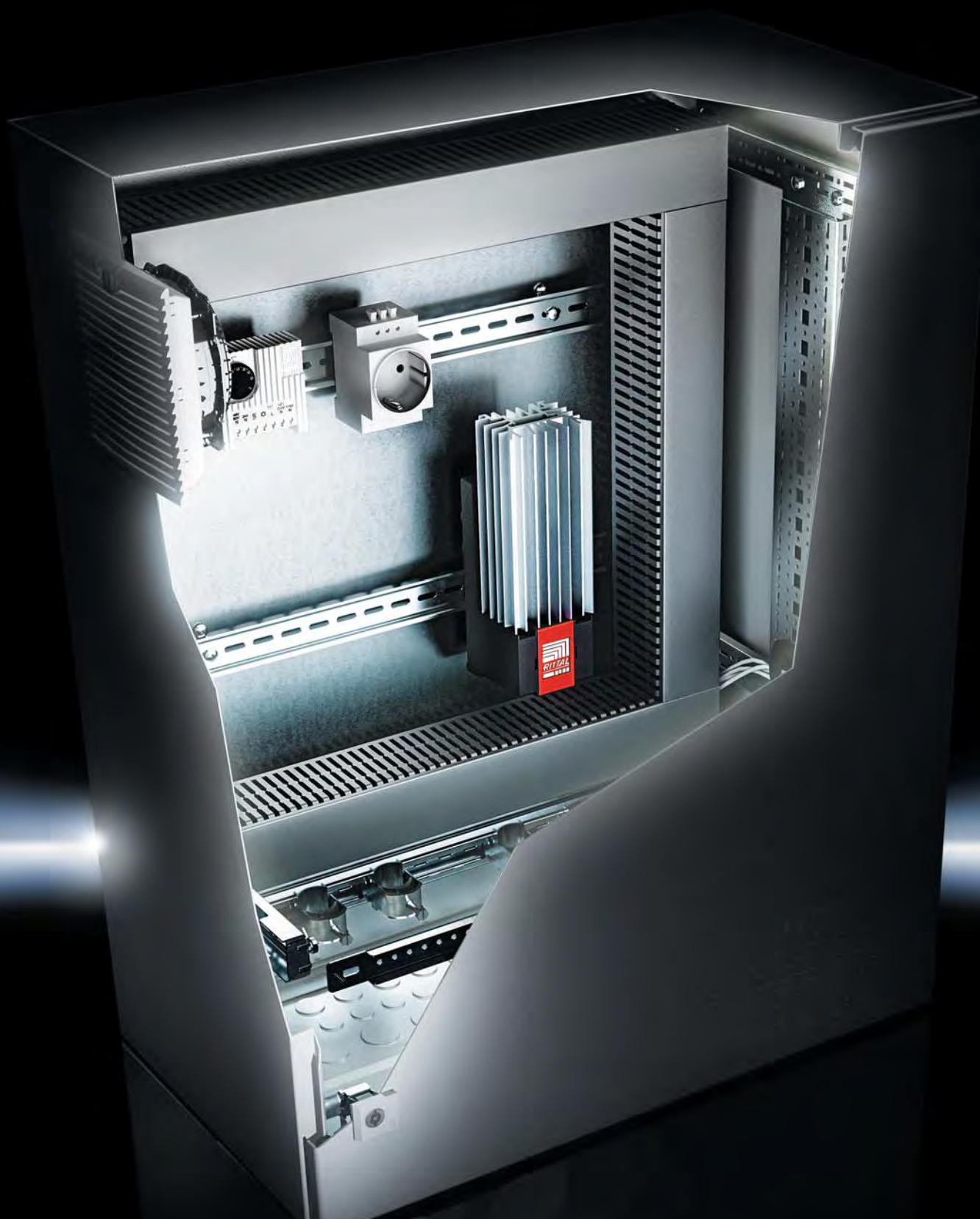
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## Compact enclosures AE

# More benefits

Rittal AE – The original. The compact enclosure AE has an incredible success story, with more than 25 million units already in use around the globe. This impressive figure alone proves that there must be a lot more to the AE than just a compact enclosure or wall-mounted enclosure.

Compact enclosures AE means:

- More efficiency
- More flexibility
- More quality
- More safety

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# Rittal – The System.

Faster – better – everywhere.

## More efficiency

This creates space for more ideas and ground-breaking innovations!

Innovations are a decisive benefit on the market and will secure your business lead.

Benefit in enclosure assembly:

- With a unique value creation chain, from planning, to machining and assembly, through to standard-compatible documentation
- With simple, flexible interior installation
- With secure cable routing to a high standard of protection
- With practical siting and assembly options

AE efficiency – Full details are available at:



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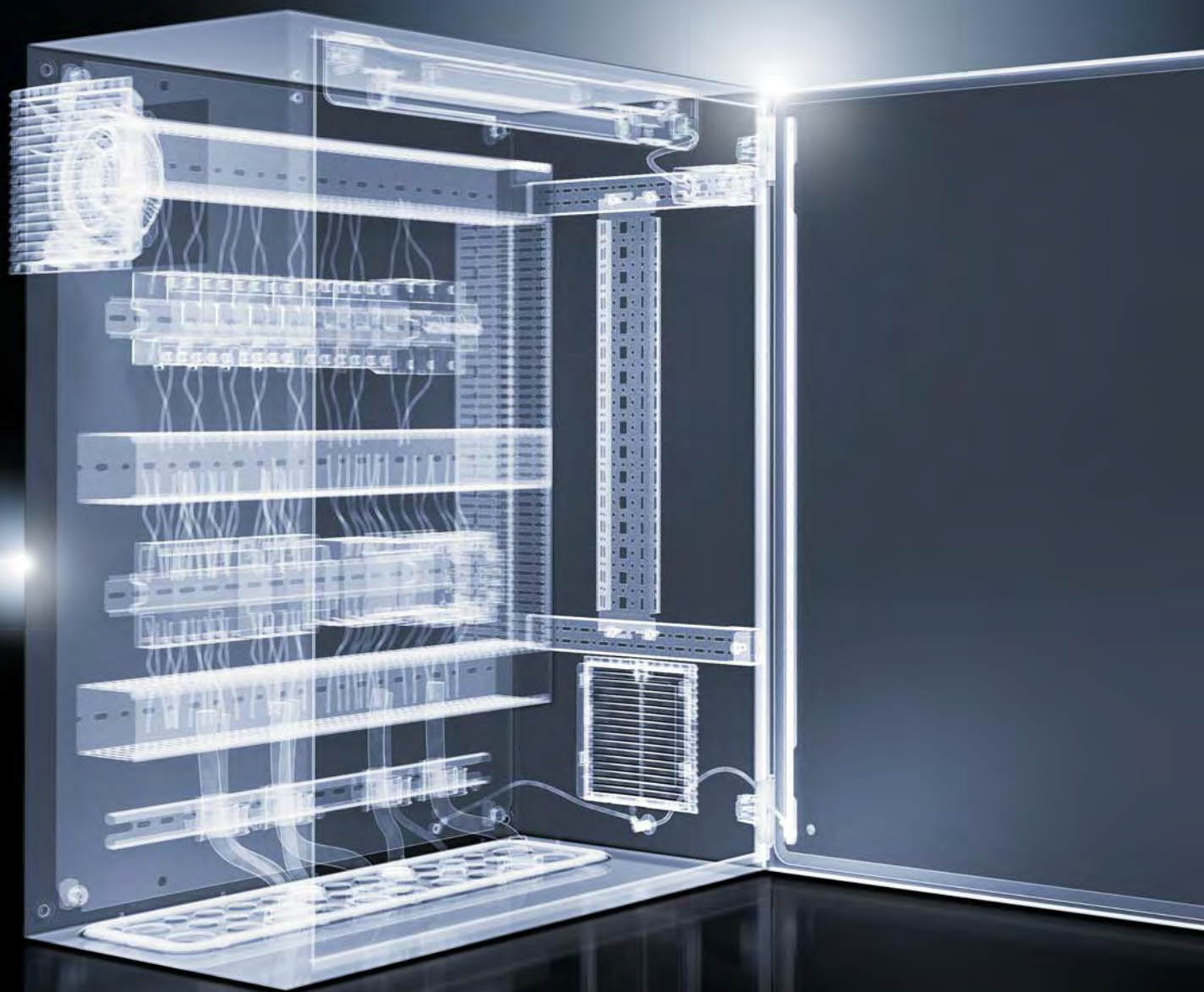


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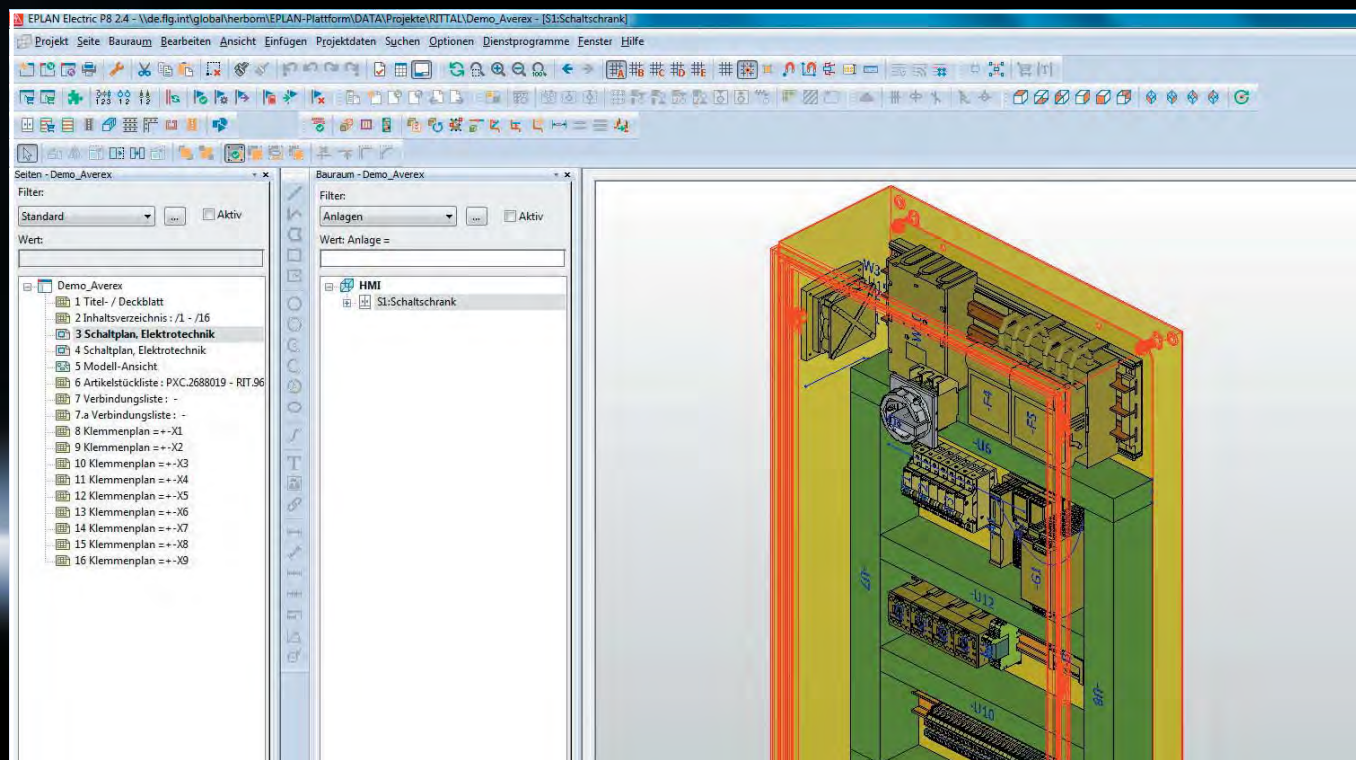


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# Compact enclosures AE

# Time-saving planning



With RiCAD 3D, you have validated CAD data of all Rittal components at your fingertips for professional design planning.

- CAD data can be imported into all typically used CAD systems.
- The use of validated data enables design drawings to be produced with optimum planning certainty.

Even more efficient planning is possible with **EPLAN Pro Panel**, the leading software solution for project planning and 3D engineering.

- Detailed CAE data for configuration of the AE may be downloaded from the EPLAN Data Portal.
- Simply drag and drop the matching accessories into your AE compact enclosure.



## Compact enclosures AE

# Simple assembly



Simple, time-saving assembly and configuration was a top priority when designing the compact enclosure AE. It begins with the mounting plate, and extends to the wall mounting bracket and much more besides.

- Regardless of whether the enclosure is upright or horizontal, the mounting plate is quickly and easily fitted.
- Standard gland plates are easily exchanged for gland plates with metal or plastic knock-outs for simple, fast cable entry.
- Wall mounting brackets are easily attached to the enclosure from the outside, even retro-spectively.
- Compact enclosures AE support fast, secure baying.



## Compact enclosures AE

# Larger mounting area



By using the side, base and roof areas with the interior installation rail, the mounting area is easily doubled.

- The interior installation rail with two rows of system holes is also easily retro-fitted after the mounting plate has been installed.
- The system punchings support the installation of an extensive range of system accessories for the TS 8 bayed enclosure.
- Integral perforated door strips create additional mounting space.

# **Rittal – The System.**

**Faster – better – everywhere.**

## **More flexibility**

Practical material and size variants in spray-finished sheet steel, stainless steel 1.4301 (AISI 304) or stainless steel 1.4404 (AISI 316L) offer an infinite range of solutions! Every requirement is different, and must combine specific properties and fit into a coordinated concept.

Take advantage of our expertise:

- Exceptional planning flexibility, thanks to a wide range of material and size variants
- On average, around 140,000 AE compact enclosures are available off the shelf across the globe at any given time.
- Mounting options to suit every installation site

AE flexibility – Full details are available at:



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Compact enclosures AE

# Diversity as standard



The benefits are considerable, with more than 50 variants in sheet steel and stainless steel available off the shelf, plus matching accessories. No deadline is too short, no demand too excessive.

- Spray-finished sheet steel or stainless steel 1.4301 (AISI 304) and stainless steel 1.4404 (AISI 316L)
- Ideally suited for machine-integrated controllers
- Flexible applications, whether bayed, wall-mounted or pole-mounted, with or without base/plinth and, where necessary, easily transported by crane



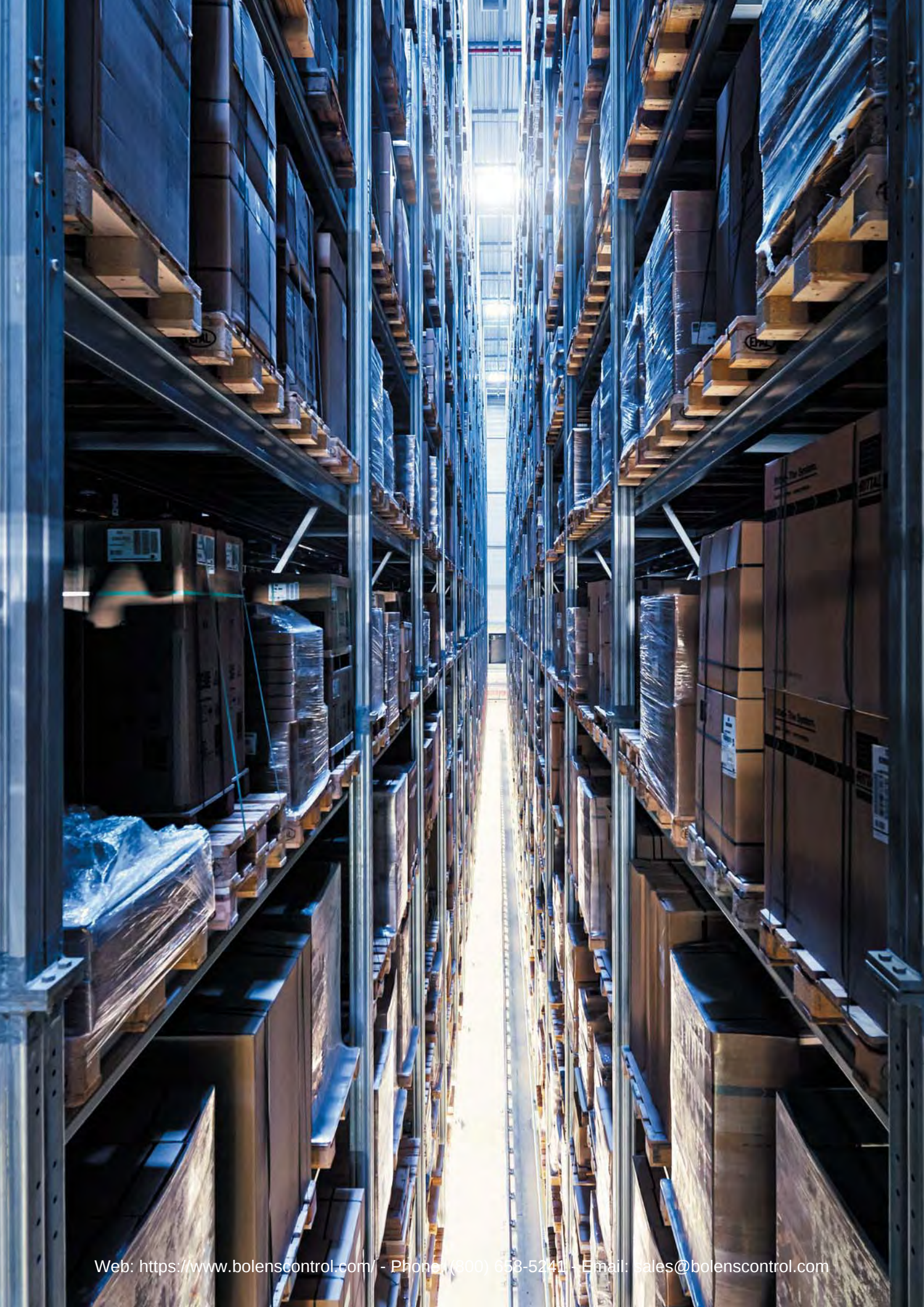
# Compact enclosures AE

# Secure cable entry



When it comes to cable entry, you can't compromise. With this in mind, we have the right solution for every requirement, with no ifs or buts. This creates maximum flexibility.

- Gland plates with knockouts in sheet steel and plastic, for metric cable glands made from brass or plastic
- Gland plates with membranes for a broad spectrum of cable diameters
- Connector glands for inserting pre-assembled cables with connectors in high protection categories
- Secure cable routing from enclosure to door via a cable conduit and cable conduit holder



**Compact enclosures AE**

# **Available off the shelf**



Availability from stock within 24 hours. That means flexibility in both planning and production, saves storage space and reduces tied-up capital.

- 13 production facilities with almost 250,000 m<sup>2</sup> production space worldwide
- 58 subsidiaries
- 9 sales and distribution centres in Germany
- Around 90 warehouse facilities with more than 180,000 pallet locations and over 260,000 m<sup>2</sup> storage space worldwide

# Rittal – The System.

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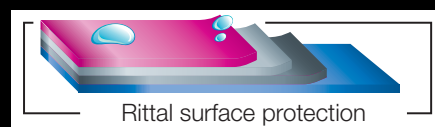
## More quality

Tested quality is a key requirement for any serious promise of performance!  
Fancy claims are meaningless unless they are backed up by facts, and it subsequently emerges that the requirements have not been met.

Take advantage of our expertise:

- In the assembly automated production processes which ensure consistently high quality standards
- With the same quality of spray-finishing used in the automotive industry
- An in-house, accredited test laboratory, covering the essential product tests

### International certification for worldwide use



AE quality – Full details are available at:



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**Compact enclosures AE**

# **Optimum surface finish**



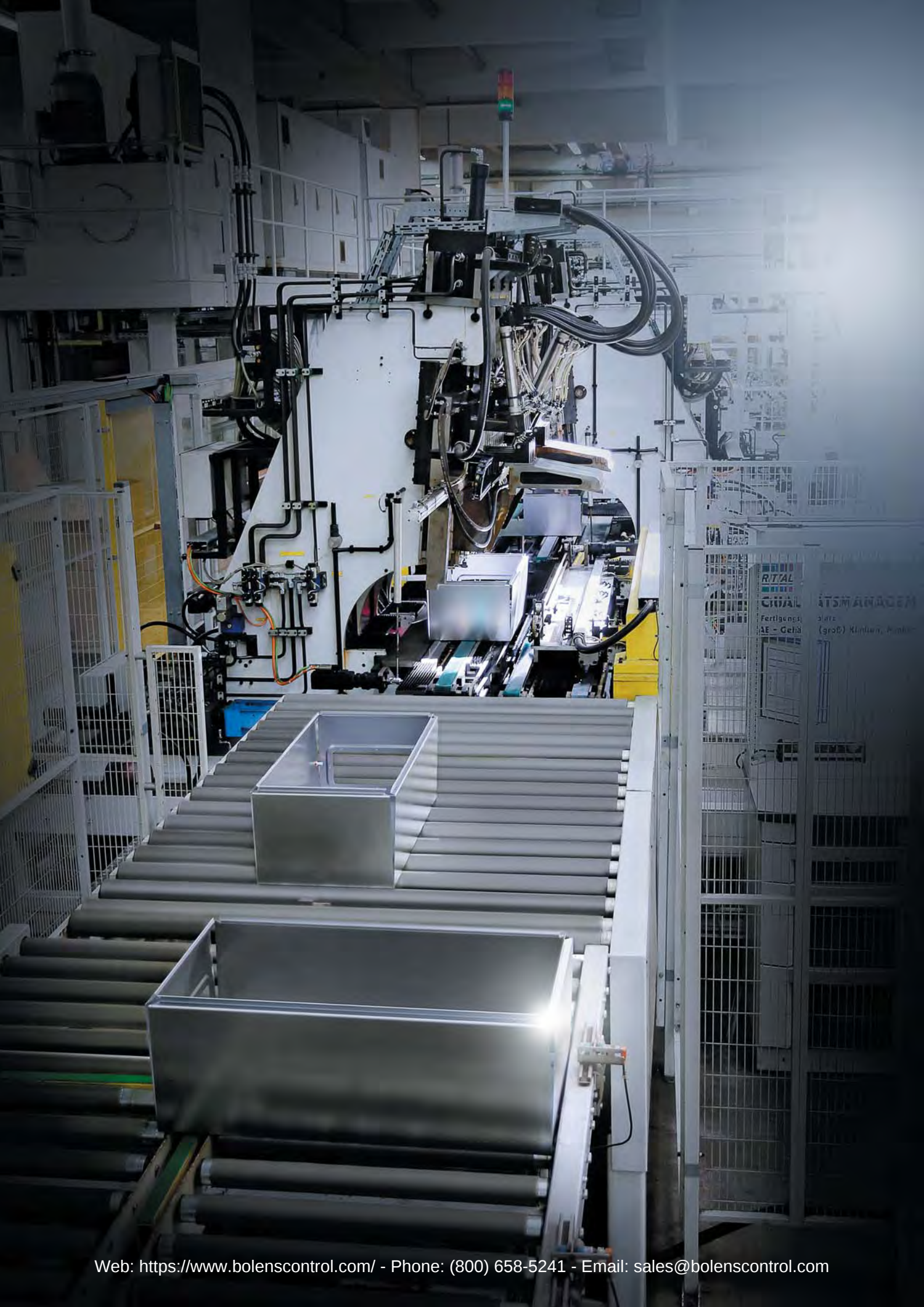
The three-phase surface finish of the AE compact enclosures promises optimum corrosion protection and is resistant to mineral oils, lubricants, machining emulsions and solvents such as those used in cleaning. Rittal is the only enclosure manufacturer which offers paint quality comparable to that of the automobile industry as standard. Quality is ensured by continuous process monitoring.

Maximum quality is achieved in three stages:

1st phase: Nanoceramic primer

2nd phase: Electrophoretic dipcoat-priming

3rd phase: Textured powder-coating



# Compact enclosures AE Series manufacturing



Each day, Rittal manufactures around 5,500 AE compact enclosures. Stacked on top of one another, they would be around seven times taller than the Eiffel Tower. These impressive numbers represent the basis for essential characteristic benefits.

- Constant quality thanks to an automated manufacturing process
- Practically unrestricted availability of series products
- Fast response times to high demand



# Compact enclosures AE

# Tested quality



This stands for consistent quality management and on-going refinements to products, services and internal processes. All processes are continuously refined by quality control groups, and reviewed during in-house audits. Each year, our improvements and high standards are verified by countless successful external audits.

Accredited Rittal test laboratory for:

- Simulation of climatic conditions
- Dynamic and static load tests
- 3D measurement
- Testing of IP protection categories and NEMA type ratings
- Salt spray tests
- Electrical safety and function tests
- Performance testing of cooling units and heat exchangers
- Material tests

# Rittal – The System.

Faster – better – everywhere.

## More safety

This is the key to global competitiveness!

With AE compact enclosures, you are placing your trust in reliable enclosure solutions.

Verified by more than 25 million applications worldwide.

Our promise to you:

- High mechanical stability to protect your installed equipment
- Tested protection category up to IP 66/NEMA 4 or IP 66/NEMA 4X allow the enclosures to be used even in extreme ambient conditions.
- Comprehensive quality management and regular inspections by external test institutes
- International standards and approvals

AE safety – Full details are available at:



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## Compact enclosures AE

# Reliably packaged



Mechanical security is a core requirement in industry, and a discipline that has been perfectly mastered by the AE compact enclosure.

Millions of installations bear testimony to this fact.

- Housing protection channel: Specifically designed to remove water, so that moisture does not collect against the seal
- PU foam seal: Seamlessly foamed-in, temperature-resistant from -20°C to +80°C, may be over-painted and briefly stove-enamelled at up to 180°C
- Rain canopy: Reinforces protection against the influence of weather in protected outdoor areas
- 54 different lock systems for controlled access



## Compact enclosures AE

# Optimum climate control



Optimum climate control is particularly important in compact enclosures with a small volume. At Rittal, the two are interconnected, and climate control solutions from a single source are precisely tailored to the AE to ensure reliability.

- Climate control via fan-and-filter units and enclosure heater to prevent condensation, easily regulated via a thermostat and hygrostat
- Thermoelectric Coolers – powerful thermoelectric cooling units in a lightweight design which can also supply heating if required
- Pressure relief stopper with integral sealing membrane, reliable condensate discharge from the inside, and protection from splashing on the outside
- Free software, Therm, takes care of the complex calculation of climate control requirements



# Compact enclosures AE

# International approvals



Rittal products boast a wealth of internationally recognised approvals and certifications and comply with the most exacting and globally recognised quality standards.

- All components are subjected to the most stringent testing in accordance with international standards and regulations
- The consistently high product quality is ensured by a comprehensive quality management system
- Regular production inspections by external test institutes guarantee compliance with global standards

# Rittal – The System.

Faster – better – everywhere.



## Engineering

### Maximise the benefits:

- EPLAN Data Portal – Over 582,000 data records for project management in electrical engineering
- EPLAN Electric P8 and EPLAN Pro Panel – Consistent project management, documentation and administration

## System

### Maximise the benefits:

- Innovative modular system
- Tested quality
- Optimum cost efficiency
- Available for immediate, worldwide delivery

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# More productivity



## Automation

### Maximise the benefits:

- Fully automated machining of enclosures and panels
- Fully automated wiring of mounting plates
- Manufacturing support in the areas of cutting, configuration and handling

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# Compact enclosures AE



**AE stainless steel** Page 44

## Material:

- Enclosure: Sheet steel
- Door: Sheet steel, all-round foamed-in PU seal

## Surface finish:

- Enclosure and door: Dipcoat-primed, powder-coated on the outside, textured paint
- Mounting plate: Zinc-plated

## Colour:

- RAL 7035

## Supply includes:

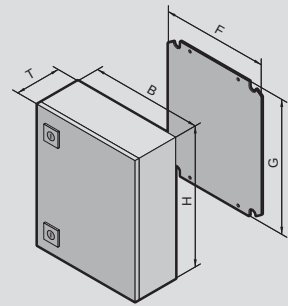
- Enclosure with hinged door(s), of all-round solid construction
  - Gland plate(s) in enclosure base
  - Mounting plate
- Please note the product-specific scope of supply.

## Approvals:

- UL
- CSA
- TÜV
- DNV GL
- Russian Maritime Register of Shipping
- Lloyds Register of Shipping
- Bureau Veritas

## Technical details:

Available on the Internet



## Sheet steel

|                                                      |          |                 |                 |                 |                 |                 |                 |
|------------------------------------------------------|----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Width (B) mm                                         | Packs of | 200             | 200             | 300             | 300             | 300             | 380             |
| Height (H) mm                                        |          | 300             | 300             | 300             | 300             | 400             | 300             |
| Depth (T) mm                                         |          | 120             | 155             | 155             | 210             | 210             | 155             |
| Mounting plate width (F) mm                          |          | 162             | 162             | 254             | 254             | 254             | 334             |
| Mounting plate height (G) mm                         |          | 275             | 275             | 275             | 275             | 375             | 275             |
| Material thickness - enclosure mm                    |          | 1.25            | 1.25            | 1.38            | 1.38            | 1.38            | 1.38            |
| Material thickness - door mm                         |          | 1.5             | 1.5             | 1.5             | 1.5             | 1.5             | 1.5             |
| Mounting plate thickness mm                          |          | 2.0             | 2.0             | 2.0             | 2.0             | 2.0             | 2.0             |
| <b>Model No.</b>                                     | 1 pc(s). | <b>1032.500</b> | <b>1035.500</b> | <b>1036.500</b> | <b>1033.500</b> | <b>1034.500</b> | <b>1030.500</b> |
| Weight kg                                            |          | 4.0             | 4.5             | 6.1             | 7.0             | 8.8             | 7.4             |
| Protection category IP to IEC 60 529                 |          | IP 55           | IP 55           | IP 66           | IP 66           | IP 66           | IP 66           |
| Protection category NEMA                             |          | NEMA 12         | NEMA 12         | NEMA 4          | NEMA 4          | NEMA 4          | NEMA 4          |
| <b>Product-specific scope of supply</b>              |          |                 |                 |                 |                 |                 |                 |
| Door(s)                                              |          | 1               | 1               | 1               | 1               | 1               | 1               |
| Door hinged on the right, may be swapped to the left |          | –               | –               | ■               | ■               | ■               | ■               |
| Gland plate, size                                    |          | 1               | 1               | –               | –               | –               | 3               |
| Gland plates, qty.                                   |          | 1               | 1               | 1               | 1               | 1               | 1               |
| Cam lock                                             |          | 1               | 1               | 1               | 1               | 1               | 1               |
| <b>Accessories</b>                                   |          |                 |                 |                 |                 |                 |                 |
| Rails for interior installation                      | 4 pc(s). | –               | –               | –               | 2383.210        | 2383.210        | –               |
| Wall mounting bracket                                | 4 pc(s). | 2508.100        | 2508.100        | 2508.100        | 2508.100        | 2508.100        | 2508.100        |
| Baying kit                                           | 1 set(s) | 1199.100        | 1199.100        | 1199.100        | 1199.100        | 1199.100        | 1199.100        |
| Door stay                                            | 5 pc(s). | –               | –               | 2519.000        | 2519.000        | 2519.000        | 2519.000        |
| 180° hinges                                          | 2 pc(s). | 2449.000        | 2449.000        | 2449.000        | 2449.000        | 2449.000        | 2449.000        |
| Dust guard trim                                      | 1 pc(s). | 2426.500        | 2426.500        | 2426.500        | 2426.500        | 2426.500        | 2426.500        |

# Compact enclosures AE

## Sheet steel

|                                                      |          |                 |                 |                 |                 |                 |                 |
|------------------------------------------------------|----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>Width (B) mm</b>                                  | Packs of | 380             | 380             | 380             | 380             | 400             | 400             |
| <b>Height (H) mm</b>                                 |          | 300             | 380             | 600             | 600             | 500             | 800             |
| <b>Depth (T) mm</b>                                  |          | 210             | 210             | 210             | 350             | 210             | 300             |
| Mounting plate width (F) mm                          |          | 334             | 334             | 334             | 334             | 354             | 349             |
| Mounting plate height (G) mm                         |          | 275             | 355             | 570             | 570             | 475             | 770             |
| Material thickness - enclosure mm                    |          | 1.38            | 1.38            | 1.38            | 1.5             | 1.38            | 1.5             |
| Material thickness - door mm                         |          | 1.5             | 1.5             | 1.5             | 1.5             | 1.5             | 2.0             |
| Mounting plate thickness mm                          |          | 2.0             | 2.0             | 2.5             | 2.5             | 2.0             | 3.0             |
| <b>Model No.</b>                                     | 1 pc(s). | <b>1031.500</b> | <b>1380.500</b> | <b>1038.500</b> | <b>1338.500</b> | <b>1045.500</b> | <b>1037.500</b> |
| Weight kg                                            |          | 7.5             | 9.8             | 15.6            | 19.4            | 13.0            | 26.2            |
| Protection category IP to IEC 60 529                 |          | IP 66           | IP 66           | IP 66           | IP 66           | IP 66           | IP 66           |
| Protection category NEMA                             |          | NEMA 4          | NEMA 4          | NEMA 4          | NEMA 4          | NEMA 4          | NEMA 4          |
| <b>Product-specific scope of supply</b>              |          |                 |                 |                 |                 |                 |                 |
| Door(s)                                              |          | 1               | 1               | 1               | 1               | 1               | 1               |
| Door hinged on the right, may be swapped to the left |          | ■               | ■               | ■               | ■               | ■               | ■               |
| Gland plate, size                                    |          | 3               | 3               | 3               | 4               | 4               | 4               |
| Gland plates, qty.                                   |          | 1               | 1               | 1               | 1               | 1               | 1               |
| Cam lock                                             |          | 1               | 1               | 2               | 2               | 2               | 2               |
| <b>Accessories</b>                                   |          |                 |                 |                 |                 |                 |                 |
| Rails for interior installation                      | 4 pc(s). | 2383.210        | 2383.210        | 2383.210        | 2383.350        | 2383.210        | 2383.300        |
| Wall mounting bracket                                | 4 pc(s). | 2508.100        | 2508.100        | 2508.100        | 2508.100        | 2508.100        | 2508.100        |
| Baying kit                                           | 1 set(s) | 1199.100        | 1199.100        | 1199.100        | 1199.100        | 1199.100        | 1199.100        |
| Door stay                                            | 5 pc(s). | 2519.000        | 2519.000        | 2519.000        | 2519.000        | 2519.000        | 2519.000        |
| 180° hinges                                          | 2 pc(s). | 2449.000        | 2449.000        | 2449.000        | 2449.000        | 2449.000        | 2449.000        |
| Dust guard trim                                      | 1 pc(s). | 2426.500        | 2426.500        | 2426.500        | 2426.500        | 2426.500        | 2426.500        |

## Sheet steel

|                                                      |           |                 |                 |                 |                 |                 |                 |
|------------------------------------------------------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>Width (B) mm</b>                                  | Packs of  | 500             | 500             | 500             | 600             | 600             | 600             |
| <b>Height (H) mm</b>                                 |           | 500             | 500             | 700             | 380             | 380             | 600             |
| <b>Depth (T) mm</b>                                  |           | 210             | 300             | 250             | 210             | 350             | 210             |
| Mounting plate width (F) mm                          |           | 449             | 449             | 449             | 549             | 549             | 549             |
| Mounting plate height (G) mm                         |           | 470             | 470             | 670             | 355             | 355             | 570             |
| Material thickness - enclosure mm                    |           | 1.38            | 1.5             | 1.5             | 1.38            | 1.5             | 1.38            |
| Material thickness - door mm                         |           | 1.75            | 1.75            | 2.0             | 1.5             | 1.5             | 1.75            |
| Mounting plate thickness mm                          |           | 2.5             | 2.5             | 2.5             | 2.5             | 2.5             | 2.5             |
| <b>Model No.</b>                                     | 1 pc(s).  | <b>1050.500</b> | <b>1350.500</b> | <b>1057.500</b> | <b>1039.500</b> | <b>1339.500</b> | <b>1060.500</b> |
| Weight kg                                            |           | 16.8            | 19.6            | 31.2            | 15.4            | 20.0            | 22.8            |
| Protection category IP to IEC 60 529                 |           | IP 66           | IP 66           | IP 66           | IP 66           | IP 66           | IP 66           |
| Protection category NEMA                             |           | NEMA 4          | NEMA 4          | NEMA 4          | NEMA 4          | NEMA 4          | NEMA 4          |
| <b>Product-specific scope of supply</b>              |           |                 |                 |                 |                 |                 |                 |
| Door(s)                                              |           | 1               | 1               | 1               | 1               | 1               | 1               |
| Door hinged on the right, may be swapped to the left |           | ■               | ■               | ■               | ■               | ■               | ■               |
| Gland plate, size                                    |           | 4               | 4               | 4               | 5               | 5               | 5               |
| Gland plates, qty.                                   |           | 1               | 1               | 1               | 1               | 1               | 1               |
| Cam lock                                             |           | 2               | 2               | 2               | 1               | 1               | 2               |
| <b>Accessories</b>                                   |           |                 |                 |                 |                 |                 |                 |
| Rails for interior installation                      | 4 pc(s).  | 2383.210        | 2383.300        | 2383.250        | 2383.210        | 2383.350        | 2383.210        |
| Wall mounting bracket                                | 4 pc(s).  | 2508.100        | 2508.100        | 2508.100        | 2508.100        | 2508.100        | 2508.100        |
| Baying kit                                           | 1 set(s)  | 1199.100        | 1199.100        | 1199.100        | 1199.100        | 1199.100        | 1199.100        |
| Door stay                                            | 5 pc(s).  | 2519.000        | 2519.000        | 2519.000        | 2519.000        | 2519.000        | 2519.000        |
| 180° hinges                                          | 2 pc(s).  | 2449.000        | 2449.000        | 2449.000        | 2449.000        | 2449.000        | 2449.000        |
| Support strips                                       | 20 pc(s). | 2325.000        | 2325.000        | 2325.000        | 2326.000        | 2326.000        | 2326.000        |
| Dust guard trim                                      | 1 pc(s).  | 2426.500        | 2426.500        | 2426.500        | 2426.500        | 2426.500        | 2426.500        |

# Compact enclosures AE

## Sheet steel

|                                                      |           |                 |                 |                 |                 |                 |                 |
|------------------------------------------------------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>Width (B) mm</b>                                  | Packs of  | 600             | 600             | 600             | 600             | 600             | 600             |
| <b>Height (H) mm</b>                                 |           | 600             | 600             | 760             | 760             | 800             | 1000            |
| <b>Depth (T) mm</b>                                  |           | 250             | 350             | 210             | 350             | 250             | 250             |
| Mounting plate width (F) mm                          |           | 549             | 549             | 549             | 549             | 549             | 539             |
| Mounting plate height (G) mm                         |           | 570             | 570             | 730             | 730             | 770             | 955             |
| Material thickness - enclosure mm                    |           | 1.5             | 1.5             | 1.38            | 1.5             | 1.5             | 1.5             |
| Material thickness - door mm                         |           | 1.75            | 1.75            | 2.0             | 2.0             | 2.0             | 2.0             |
| Mounting plate thickness mm                          |           | 2.5             | 2.5             | 3.0             | 3.0             | 3.0             | 3.0             |
| <b>Model No.</b>                                     | 1 pc(s).  | <b>1054.500</b> | <b>1360.500</b> | <b>1076.500</b> | <b>1376.500</b> | <b>1058.500</b> | <b>1090.500</b> |
| Weight kg                                            |           | 24.8            | 28.4            | 32.1            | 36.0            | 33.6            | 50.5            |
| Protection category IP to IEC 60 529                 |           | IP 66           | IP 66           | IP 66           | IP 66           | IP 66           | IP 66           |
| Protection category NEMA                             |           | NEMA 4          | NEMA 4          | NEMA 4          | NEMA 4          | NEMA 4          | NEMA 4          |
| <b>Product-specific scope of supply</b>              |           |                 |                 |                 |                 |                 |                 |
| Door(s)                                              |           | 1               | 1               | 1               | 1               | 1               | 1               |
| Door hinged on the right, may be swapped to the left |           | ■               | ■               | ■               | ■               | ■               | ■               |
| Gland plate, size                                    |           | 5               | 5               | 5               | 5               | 5               | 5               |
| Gland plates, qty.                                   |           | 1               | 1               | 1               | 1               | 1               | 1               |
| Cam lock                                             |           | 2               | 2               | 2               | 2               | 2               | 2               |
| <b>Accessories</b>                                   |           |                 |                 |                 |                 |                 |                 |
| Rails for interior installation                      | 4 pc(s).  | 2383.250        | 2383.350        | 2383.210        | 2383.350        | 2383.250        | 2383.250        |
| Wall mounting bracket                                | 4 pc(s).  | 2508.100        | 2508.100        | 2508.100        | 2508.100        | 2508.100        | 2508.100        |
| Baying kit                                           | 1 set(s)  | 1199.100        | 1199.100        | 1199.100        | 1199.100        | 1199.100        | –               |
| Door stay                                            | 5 pc(s).  | 2519.000        | 2519.000        | 2519.000        | 2519.000        | 2519.000        | 2519.000        |
| 180° hinges                                          | 2 pc(s).  | 2449.000        | 2449.000        | 2449.000        | 2449.000        | 2449.000        | 2449.000        |
| Support strips                                       | 20 pc(s). | 2326.000        | 2326.000        | 2326.000        | 2326.000        | 2326.000        | 2326.000        |
| Dust guard trim                                      | 1 pc(s).  | 2426.500        | 2426.500        | 2426.500        | 2426.500        | 2426.500        | 2426.500        |

## Sheet steel

|                                                      |           |                 |                 |                 |                 |                 |                 |
|------------------------------------------------------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>Width (B) mm</b>                                  | Packs of  | 600             | 760             | 760             | 800             | 800             | 800             |
| <b>Height (H) mm</b>                                 |           | 1200            | 760             | 760             | 600             | 1000            | 1200            |
| <b>Depth (T) mm</b>                                  |           | 300             | 210             | 300             | 300             | 300             | 300             |
| Mounting plate width (F) mm                          |           | 540             | 704             | 704             | 749             | 739             | 740             |
| Mounting plate height (G) mm                         |           | 1155            | 730             | 730             | 570             | 955             | 1155            |
| Material thickness - enclosure mm                    |           | 1.5             | 1.5             | 1.5             | 1.5             | 1.5             | 1.5             |
| Material thickness - door mm                         |           | 2.0             | 2.0             | 2.0             | 2.0             | 2.0             | 2.0             |
| Mounting plate thickness mm                          |           | 3.0             | 3.0             | 3.0             | 2.5             | 3.0             | 3.0             |
| <b>Model No.</b>                                     | 1 pc(s).  | <b>1260.500</b> | <b>1077.500</b> | <b>1073.500</b> | <b>1055.500</b> | <b>1180.500</b> | <b>1280.500</b> |
| Weight kg                                            |           | 55.0            | 40.0            | 44.5            | 33.9            | 57.0            | 70.0            |
| Protection category IP to IEC 60 529                 |           | IP 66           | IP 66           | IP 66           | IP 66           | IP 66           | IP 66           |
| Protection category NEMA                             |           | NEMA 4          | NEMA 4          | NEMA 4          | NEMA 4          | NEMA 4          | NEMA 4          |
| <b>Product-specific scope of supply</b>              |           |                 |                 |                 |                 |                 |                 |
| Door(s)                                              |           | 1               | 1               | 1               | 1               | 1               | 1               |
| Door hinged on the right, may be swapped to the left |           | ■               | ■               | ■               | ■               | ■               | ■               |
| Gland plate, size                                    |           | 5               | 5               | 5               | 5               | 5               | 5               |
| Gland plates, qty.                                   |           | 1               | 1               | 1               | 1               | 1               | 1               |
| Cam lock                                             |           | –               | 2               | 2               | 2               | 2               | –               |
| 3-point lock system                                  |           | ■               | –               | –               | –               | –               | ■               |
| <b>Accessories</b>                                   |           |                 |                 |                 |                 |                 |                 |
| Rails for interior installation                      | 4 pc(s).  | 2383.300        | 2383.210        | 2383.300        | 2383.300        | 2383.300        | 2383.300        |
| Wall mounting bracket                                | 4 pc(s).  | 2508.100        | 2508.100        | 2508.100        | 2508.100        | 2508.100        | 2508.100        |
| Baying kit                                           | 1 set(s)  | –               | 1199.100        | 1199.100        | 1199.100        | –               | –               |
| Door stay                                            | 5 pc(s).  | 2519.000        | 2519.000        | 2519.000        | 2519.000        | 2519.000        | 2519.000        |
| 180° hinges                                          | 2 pc(s).  | 2449.000        | 2449.000        | 2449.000        | 2449.000        | 2449.000        | 2449.000        |
| Support strips                                       | 20 pc(s). | 2326.000        | 2327.000        | 2327.000        | 2328.000        | 2328.000        | 2328.000        |
| Eyebolts                                             | 4 pc(s).  | 2509.000        | –               | –               | –               | 2509.000        | 2509.000        |
| Dust guard trim                                      | 1 pc(s).  | 2426.500        | 2426.500        | 2426.500        | 2426.500        | 2426.500        | 2426.500        |

# Compact enclosures AE

## Sheet steel

|                                                      |           |                 |                 |                 |                 |                 |
|------------------------------------------------------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>Width (B) mm</b>                                  | Packs of  | 1000            | 1000            | 1000            | 1000            | 1000            |
| <b>Height (H) mm</b>                                 |           | 760             | 760             | 1000            | 1200            | 1400            |
| <b>Depth (T) mm</b>                                  |           | 210             | 300             | 300             | 300             | 300             |
| Mounting plate width (F) mm                          |           | 944             | 944             | 939             | 940             | 940             |
| Mounting plate height (G) mm                         |           | 730             | 730             | 955             | 1155            | 1355            |
| Material thickness - enclosure mm                    |           | 1.5             | 1.5             | 1.5             | 1.5             | 1.5             |
| Material thickness - door mm                         |           | 2.0             | 2.0             | 2.0             | 2.0             | 2.0             |
| Mounting plate thickness mm                          |           | 3.0             | 3.0             | 3.0             | 3.0             | 3.0             |
| <b>Model No.</b>                                     | 1 pc(s).  | <b>1100.500</b> | <b>1130.500</b> | <b>1110.500</b> | <b>1213.500</b> | <b>1114.500</b> |
| Weight kg                                            |           | 52.0            | 56.0            | 71.0            | 85.0            | 97.0            |
| Protection category IP to IEC 60 529                 |           | IP 55           | IP 55           | IP 55           | IP 55           | IP 55           |
| Protection category NEMA                             |           | NEMA 12         | NEMA 12         | NEMA 12         | NEMA 12         | NEMA 12         |
| <b>Product-specific scope of supply</b>              |           |                 |                 |                 |                 |                 |
| Door(s)                                              |           | 2               | 2               | 2               | 2               | 2               |
| Door hinged on the right, may be swapped to the left |           | –               | –               | –               | –               | –               |
| Gland plate, size                                    |           | 4               | 4               | 4               | 4               | 4               |
| Gland plates, qty.                                   |           | 2               | 2               | 2               | 2               | 2               |
| Cam lock                                             |           | 2               | 2               | 2               | –               | –               |
| 3-point lock system                                  |           | –               | –               | –               | ■               | ■               |
| <b>Accessories</b>                                   |           |                 |                 |                 |                 |                 |
| Rails for interior installation                      | 4 pc(s).  | 2383.210        | 2383.300        | 2383.300        | 2383.300        | 2383.300        |
| Wall mounting bracket                                | 4 pc(s).  | 2508.100        | 2508.100        | 2508.100        | 2508.100        | 2508.100        |
| Baying kit                                           | 1 set(s)  | 1199.100        | 1199.100        | –               | –               | –               |
| Door stay                                            | 5 pc(s).  | 2519.000        | 2519.000        | 2519.000        | 2519.000        | 2519.000        |
| 180° hinges                                          | 2 pc(s).  | 2449.000        | 2449.000        | 2449.000        | 2449.000        | 2449.000        |
| Support strips                                       | 20 pc(s). | 2325.000        | 2325.000        | 2325.000        | 2325.000        | 2325.000        |
| Eyebolts                                             | 4 pc(s).  | –               | –               | –               | 2509.000        | 2509.000        |
| Dust guard trim                                      | 1 pc(s).  | 2426.500        | 2426.500        | 2426.500        | 2426.500        | 2426.500        |

# Compact enclosures AE



**AE sheet steel** Page 40

## Material:

- Enclosure: Stainless steel
- Door: Stainless steel, all-round foamed-in PU seal
- Mounting plate: Sheet steel

## Surface finish:

- Enclosure and door: Brushed, grain 240
- Mounting plate: Zinc-plated

## Supply includes:

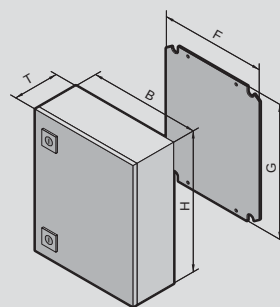
- Enclosure with door(s)
  - Mounting plate
- Please note the product-specific scope of supply.

## Approvals:

- UL
- CSA
- TÜV
- DNV GL
- Russian Maritime Register of Shipping
- Lloyds Register of Shipping
- Bureau Veritas

## Technical details:

Available on the Internet



## Stainless steel

|                                             |                                    |          |                 |                 |                 |                 |                 |                 |
|---------------------------------------------|------------------------------------|----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>Width (B) mm</b>                         |                                    | Packs of | 200             | 200             | 200             | 300             | 380             | 380             |
| <b>Height (H) mm</b>                        |                                    |          | 300             | 300             | 300             | 300             | 300             | 300             |
| <b>Depth (T) mm</b>                         |                                    |          | 120             | 155             | 155             | 210             | 155             | 210             |
| <b>Mounting plate width (F) mm</b>          |                                    |          | 162             | 162             | 162             | 254             | 334             | 334             |
| <b>Mounting plate height (G) mm</b>         |                                    |          | 275             | 275             | 275             | 275             | 275             | 275             |
| <b>Material</b>                             | Stainless steel 1.4301 (AISI 304)  |          | ■               | –               | ■               | ■               | ■               | ■               |
|                                             | Stainless steel 1.4404 (AISI 316L) |          | –               | ■               | –               | –               | –               | –               |
| <b>Material of lock</b>                     | Stainless steel 1.4404 (AISI 316L) |          | –               | ■               | –               | –               | –               | –               |
|                                             | Die-cast zinc, nickel-plated       |          | ■               | –               | ■               | ■               | ■               | ■               |
| <b>Model No.</b>                            |                                    | 1 pc(s). | <b>1001.600</b> | <b>1002.500</b> | <b>1002.600</b> | <b>1003.600</b> | <b>1004.600</b> | <b>1011.600</b> |
| <b>Weight kg</b>                            |                                    |          | 3.6             | 4.1             | 4.1             | 6.9             | 7.4             | 8.4             |
| <b>Protection category IP to IEC 60 529</b> |                                    |          | IP 66           | IP 66           | IP 66           | IP 66           | IP 66           | IP 66           |
| <b>Protection category NEMA</b>             |                                    |          | NEMA 4X         | NEMA 4X         | NEMA 4X         | NEMA 4X         | NEMA 4X         | NEMA 4X         |
| <b>Product-specific scope of supply</b>     |                                    |          |                 |                 |                 |                 |                 |                 |
| <b>Door(s)</b>                              |                                    |          | 1               | 1               | 1               | 1               | 1               | 1               |
| <b>Cam lock</b>                             |                                    |          | 1               | 1               | 1               | 1               | 1               | 1               |
| <b>3-point lock system</b>                  |                                    |          | –               | –               | –               | –               | –               | –               |
| <b>Accessories</b>                          |                                    |          |                 |                 |                 |                 |                 |                 |
| <b>Rails for interior installation</b>      |                                    | 4 pc(s). | –               | –               | –               | 2383.210        | –               | 2383.210        |
| <b>Rain canopies, stainless steel</b>       |                                    | 1 pc(s). | –               | 2470.000        | 2470.000        | 2361.000        | 2471.000        | 2472.000        |
| <b>Wall mounting bracket</b>                |                                    | 4 pc(s). | 2433.000        | 2433.500        | 2433.000        | 2433.000        | 2433.000        | 2433.000        |
| <b>Wall angle</b>                           |                                    | 4 pc(s). | 2583.010        | 2583.010        | 2583.010        | 2583.010        | 2583.010        | 2583.010        |
| <b>Pole clamp</b>                           |                                    | 1 set(s) | 2584.000        | 2584.000        | 2584.000        | 2584.000        | 2584.000        | 2584.000        |
| <b>Cam locks</b>                            |                                    | 1 pc(s). | 2304.000        | 2304.000        | 2304.000        | 2304.000        | 2304.000        | 2304.000        |
| <b>Cam lock HD</b>                          |                                    | 1 pc(s). | 2304.010        | 2304.010        | 2304.010        | 2304.010        | 2304.010        | 2304.010        |

# Compact enclosures AE

## Stainless steel

|                                         |                                    |          |                 |                 |                 |                 |                 |                 |
|-----------------------------------------|------------------------------------|----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>Width (B) mm</b>                     |                                    | Packs of | 300             | 300             | 380             | 380             | 600             | 400             |
| <b>Height (H) mm</b>                    |                                    |          | 380             | 380             | 380             | 380             | 380             | 500             |
| <b>Depth (T) mm</b>                     |                                    |          | 210             | 210             | 210             | 210             | 210             | 210             |
| Mounting plate width (F) mm             |                                    |          | 275             | 275             | 334             | 334             | 549             | 354             |
| Mounting plate height (G) mm            |                                    |          | 334             | 334             | 355             | 355             | 355             | 475             |
| Material                                | Stainless steel 1.4301 (AISI 304)  |          | –               | ■               | –               | ■               | ■               | ■               |
|                                         | Stainless steel 1.4404 (AISI 316L) |          | ■               | –               | ■               | –               | –               | –               |
| Material of lock                        | Stainless steel 1.4404 (AISI 316L) |          | ■               | –               | ■               | –               | –               | –               |
|                                         | Die-cast zinc, nickel-plated       |          | –               | ■               | –               | ■               | ■               | ■               |
| <b>Model No.</b>                        |                                    | 1 pc(s). | <b>1005.500</b> | <b>1005.600</b> | <b>1006.500</b> | <b>1006.600</b> | <b>1009.600</b> | <b>1015.600</b> |
| Weight kg                               |                                    |          | 8.4             | 8.4             | 9.8             | 9.8             | 14.6            | 12.9            |
| Protection category IP to IEC 60 529    |                                    |          | IP 66           | IP 66           | IP 66           | IP 66           | IP 66           | IP 66           |
| Protection category NEMA                |                                    |          | NEMA 4X         | NEMA 4X         | NEMA 4X         | NEMA 4X         | NEMA 4X         | NEMA 4X         |
| <b>Product-specific scope of supply</b> |                                    |          |                 |                 |                 |                 |                 |                 |
| Door(s)                                 |                                    |          | 1               | 1               | 1               | 1               | 1               | 1               |
| Cam lock                                |                                    |          | 1               | 1               | 1               | 1               | 1               | 2               |
| 3-point lock system                     |                                    |          | –               | –               | –               | –               | –               | –               |
| <b>Accessories</b>                      |                                    |          |                 |                 |                 |                 |                 |                 |
| Rails for interior installation         |                                    | 4 pc(s). | 2383.210        | 2383.210        | 2383.210        | 2383.210        | 2383.210        | 2383.210        |
| Rain canopies, stainless steel          |                                    | 1 pc(s). | 2361.000        | 2361.000        | 2472.000        | 2472.000        | 2473.000        | –               |
| Wall mounting bracket                   |                                    | 4 pc(s). | 2433.500        | 2433.000        | 2433.500        | 2433.000        | 2433.000        | 2433.000        |
| Wall angle                              |                                    | 4 pc(s). | 2583.010        | 2583.010        | 2583.010        | 2583.010        | 2583.010        | 2583.010        |
| Pole clamp                              |                                    | 1 set(s) | 2584.000        | 2584.000        | 2584.000        | 2584.000        | 2584.000        | 2584.000        |
| Cam locks                               |                                    | 1 pc(s). | 2304.000        | 2304.000        | 2304.000        | 2304.000        | 2304.000        | 2304.000        |
| Cam lock HD                             |                                    | 1 pc(s). | 2304.010        | 2304.010        | 2304.010        | 2304.010        | 2304.010        | 2304.010        |

## Stainless steel

|                                         |                                    |          |                 |                 |                 |                 |                 |                 |
|-----------------------------------------|------------------------------------|----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>Width (B) mm</b>                     |                                    | Packs of | 500             | 500             | 380             | 600             | 600             | 600             |
| <b>Height (H) mm</b>                    |                                    |          | 500             | 500             | 600             | 600             | 600             | 760             |
| <b>Depth (T) mm</b>                     |                                    |          | 210             | 300             | 210             | 210             | 210             | 210             |
| Mounting plate width (F) mm             |                                    |          | 449             | 449             | 334             | 549             | 549             | 549             |
| Mounting plate height (G) mm            |                                    |          | 470             | 470             | 570             | 570             | 570             | 730             |
| Material                                | Stainless steel 1.4301 (AISI 304)  |          | ■               | ■               | ■               | –               | ■               | ■               |
|                                         | Stainless steel 1.4404 (AISI 316L) |          | –               | –               | –               | ■               | –               | –               |
| Material of lock                        | Stainless steel 1.4404 (AISI 316L) |          | –               | –               | –               | ■               | –               | –               |
|                                         | Die-cast zinc, nickel-plated       |          | ■               | ■               | ■               | –               | ■               | ■               |
| <b>Model No.</b>                        |                                    | 1 pc(s). | <b>1007.600</b> | <b>1013.600</b> | <b>1008.600</b> | <b>1010.500</b> | <b>1010.600</b> | <b>1012.600</b> |
| Weight kg                               |                                    |          | 15.7            | 18.4            | 15.1            | 23.5            | 23.5            | 30.2            |
| Protection category IP to IEC 60 529    |                                    |          | IP 66           | IP 66           | IP 66           | IP 66           | IP 66           | IP 66           |
| Protection category NEMA                |                                    |          | NEMA 4X         | NEMA 4X         | NEMA 4X         | NEMA 4X         | NEMA 4X         | NEMA 4X         |
| <b>Product-specific scope of supply</b> |                                    |          |                 |                 |                 |                 |                 |                 |
| Door(s)                                 |                                    |          | 1               | 1               | 1               | 1               | 1               | 1               |
| Cam lock                                |                                    |          | 2               | 2               | 2               | 2               | 2               | 2               |
| 3-point lock system                     |                                    |          | –               | –               | –               | –               | –               | –               |
| <b>Accessories</b>                      |                                    |          |                 |                 |                 |                 |                 |                 |
| Rails for interior installation         |                                    | 4 pc(s). | 2383.210        | 2383.300        | 2383.210        | 2383.210        | 2383.210        | 2383.210        |
| Rain canopies, stainless steel          |                                    | 1 pc(s). | 2362.000        | –               | 2472.000        | 2473.000        | 2473.000        | 2473.000        |
| Wall mounting bracket                   |                                    | 4 pc(s). | 2433.000        | 2433.000        | 2433.000        | 2433.500        | 2433.000        | 2433.000        |
| Wall angle                              |                                    | 4 pc(s). | 2583.010        | 2583.010        | 2583.010        | 2583.010        | 2583.010        | 2583.010        |
| Pole clamp                              |                                    | 1 set(s) | 2584.000        | 2584.000        | 2584.000        | 2584.000        | 2584.000        | 2584.000        |
| Cam locks                               |                                    | 1 pc(s). | 2304.000        | 2304.000        | 2304.000        | 2304.000        | 2304.000        | 2304.000        |
| Cam lock HD                             |                                    | 1 pc(s). | 2304.010        | 2304.010        | 2304.010        | 2304.010        | 2304.010        | 2304.010        |

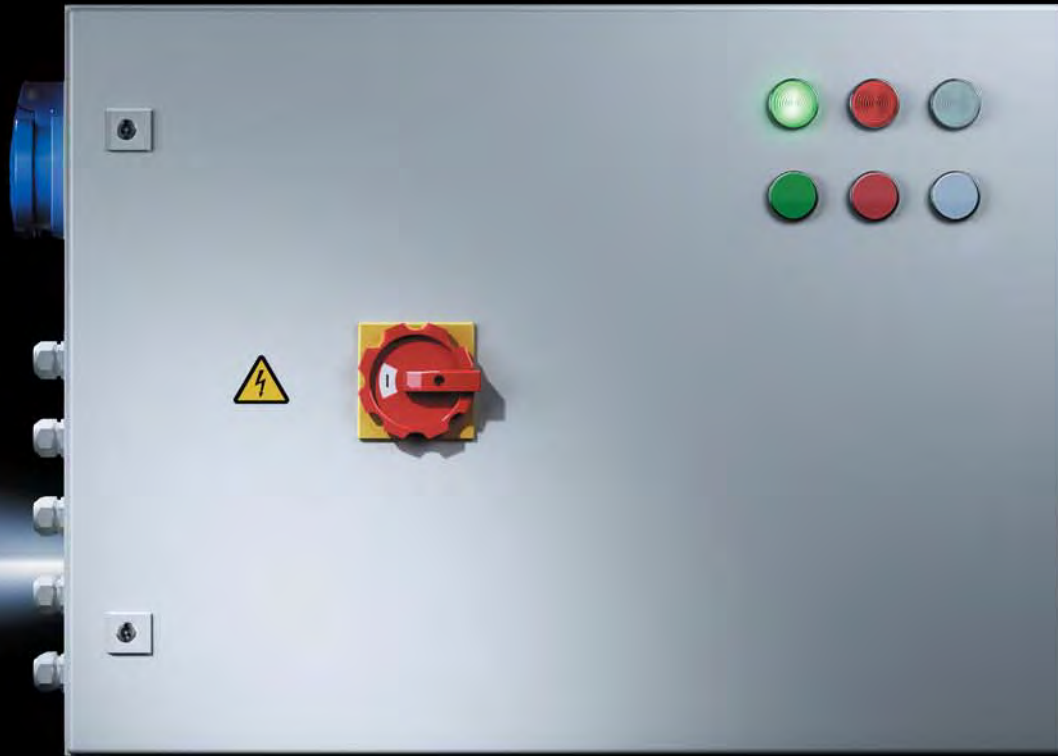
# Compact enclosures AE

## Stainless steel

|                                         |                                    |          |                 |                 |                 |                 |                 |                 |
|-----------------------------------------|------------------------------------|----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>Width (B) mm</b>                     |                                    | Packs of | 760             | 800             | 1000            | 800             | 1000            | 1000            |
| <b>Height (H) mm</b>                    |                                    |          | 760             | 1000            | 1000            | 1200            | 1200            | 1200            |
| <b>Depth (T) mm</b>                     |                                    |          | 300             | 300             | 300             | 300             | 300             | 300             |
| Mounting plate width (F) mm             |                                    |          | 704             | 739             | 939             | 740             | 940             | 940             |
| Mounting plate height (G) mm            |                                    |          | 730             | 955             | 955             | 1155            | 1155            | 1155            |
| Material                                | Stainless steel 1.4301 (AISI 304)  |          | ■               | ■               | ■               | ■               | –               | ■               |
|                                         | Stainless steel 1.4404 (AISI 316L) |          | –               | –               | –               | –               | ■               | –               |
| Material of lock                        | Stainless steel 1.4301 (AISI 304)  |          | –               | –               | –               | ■               | ■               | ■               |
|                                         | Die-cast zinc, nickel-plated       |          | ■               | ■               | ■               | –               | –               | –               |
| <b>Model No.</b>                        |                                    | 1 pc(s). | <b>1014.600</b> | <b>1016.600</b> | <b>1018.600</b> | <b>1017.600</b> | <b>1019.500</b> | <b>1019.600</b> |
| Weight kg                               |                                    |          | 42.5            | 52.9            | 71.0            | 61.5            | 76.0            | 76.0            |
| Protection category IP to IEC 60 529    |                                    |          | IP 66           | IP 66           | IP 55           | IP 66           | IP 55           | IP 55           |
| Protection category NEMA                |                                    |          | NEMA 4X         | NEMA 4X         | NEMA 12         | NEMA 4X         | NEMA 12         | NEMA 12         |
| <b>Product-specific scope of supply</b> |                                    |          |                 |                 |                 |                 |                 |                 |
| Door(s)                                 |                                    |          | 1               | 1               | 2               | 1               | 2               | 2               |
| Cam lock                                |                                    |          | 2               | 2               | 2               | –               | –               | –               |
| 3-point lock system                     |                                    |          | –               | –               | –               | ■               | ■               | ■               |
| <b>Accessories</b>                      |                                    |          |                 |                 |                 |                 |                 |                 |
| Rails for interior installation         |                                    | 4 pc(s). | 2383.300        | 2383.300        | 2383.300        | 2383.300        | 2383.300        | 2383.300        |
| Rain canopies, stainless steel          |                                    | 1 pc(s). | 2474.000        | 2475.000        | 2363.000        | 2475.000        | 2363.000        | 2363.000        |
| Wall mounting bracket                   |                                    | 4 pc(s). | 2433.000        | 2433.000        | 2433.000        | 2433.000        | 2433.500        | 2433.000        |
| Wall angle                              |                                    | 4 pc(s). | 2583.010        | 2583.010        | 2583.010        | 2583.010        | 2583.010        | 2583.010        |
| Pole clamp                              |                                    |          | –               | –               | –               | –               | –               | –               |
| Cam locks                               |                                    | 1 pc(s). | 2304.000        | 2304.000        | 2304.000        | –               | –               | –               |
| Cam lock HD                             |                                    | 1 pc(s). | 2304.010        | 2304.010        | 2304.010        | –               | –               | –               |

## Compact enclosures AE

# Machine-integrated



Rittal compact enclosures AE provide reliable protection for sensitive electrical and electronic components in plant and machinery. A wide selection of standard sizes, which can be combined into larger units using the baying kits available as accessories, ensure maximum flexibility. If you are still unable to find the right enclosure for your plant and machinery from this selection, we will be happy to support your “standard solution” with customised dimensions. Talk to us – we can work together to plan your very own standard solution.

Further information can be found at



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