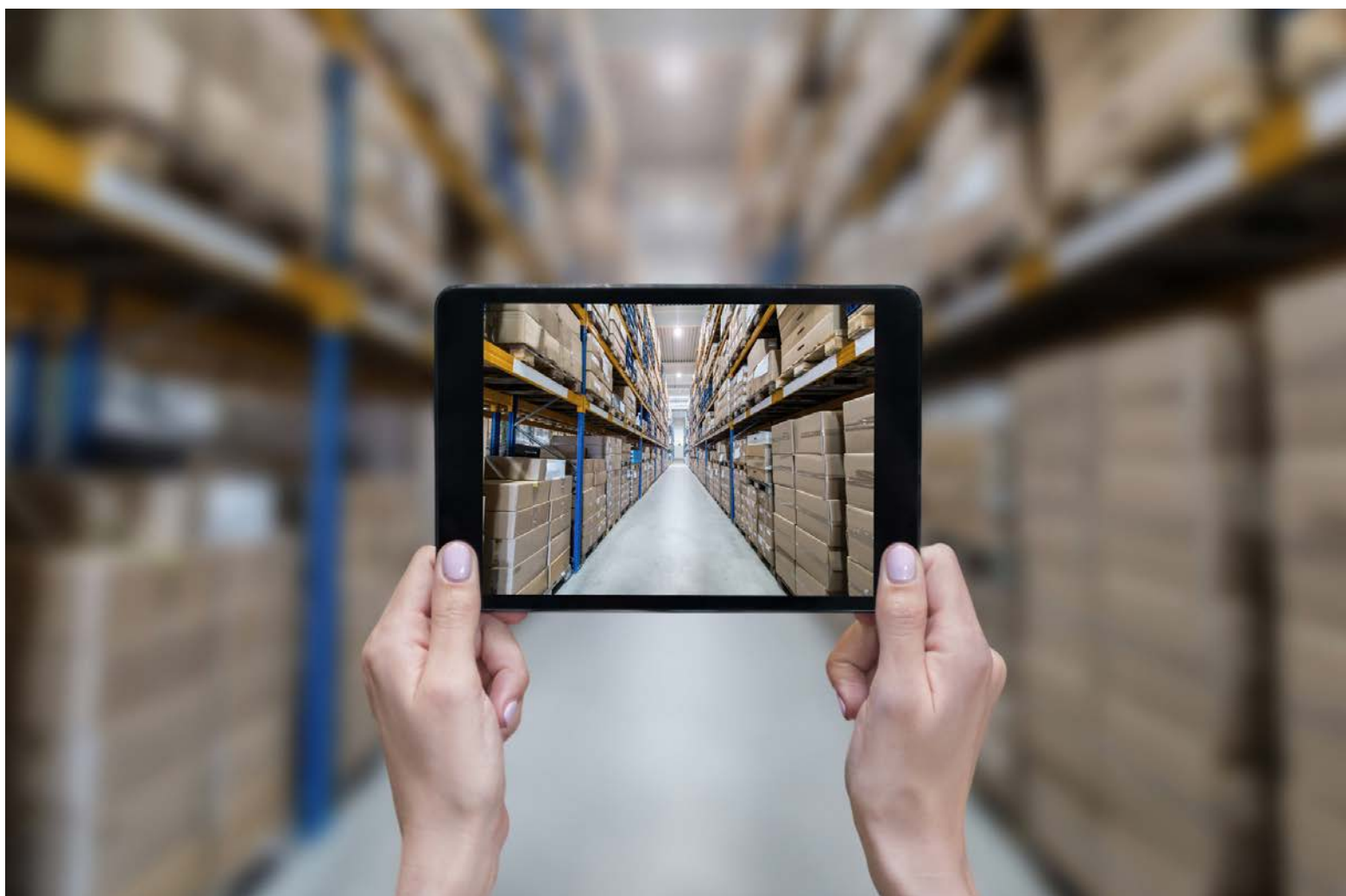APPLICATION BROCHURE

Installation Products
SKU Reduction

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Installation Products Division
- **Wire and cable management**
- **Cable protection systems**
- **Boxes and fittings**
- **Connectivity and grounding**
- **Medium voltage**

Thomas & Betts is now part of ABB's Installation Products Division, but our long legacy of quality products and innovation remains the same. From connectors that support wire buildings on Earth to cable ties that help put machines in space, we continue to work every day to make, market, design and sell products that provide a smarter, safer and more reliable flow of electricity, from source to socket.

Table of contents

Reducing the number of SKUs in inventory can help streamline efficiencies and produce significant cost savings.

—

Excessive inventory costs time and money

Companies everywhere, in all industries, are looking for ways to reduce costs and streamline operations.

—
01 Kindorf® Modular
Framing System.
—
02 Steel City®
Adjustable Mud Ring.

Programs like Lean Manufacturing and Six Sigma are used extensively to improve production efficiency, increase quality and reduce costs by identifying and eliminating waste at every level.

Purchasing professionals realize that excessive inventory is as much of a drag on company profitability as an inefficient production line. The more product SKUs you maintain, the greater the complexity of tracking systems and expense to carry inventory – both of which result in revenue loss. Reducing SKUs enables companies to lower inventories, improve efficiencies and apply resources more effectively and appropriately. Plus, fewer SKUs means less time to maintain, stock and fulfill inventory – labor savings that also translate to lower operating costs.

—

Reduce SKUs with Innovative Products from ABB

ABB has a heritage of product innovation. Many of the new products we introduce every year are designed to reduce installation time, or deliver superior performance in demanding conditions. However, another important characteristic of many new ABB products is their ability to replace multiple existing SKUs with one.

For example, the LU® Universal Conduit Elbow can provide a 4-to-1 SKU reduction for conduit body applications by replacing several other conduit body shapes. Steel City® components, such as the Adjustable Mud Ring, reduce the need to stock SKUs in varying depths.
Blackburn® Compression Lugs accommodate both code and flex cable on the same lug – eliminating the need for additional SKUs to stock lugs for both cable types. And the Kindorf® Metal Framing System uses a 11/2" modular dimension that provides maximum flexibility in field applications, and results in saving inventory and labor dollars. Trust ABB to stock SKUs in varying depths.
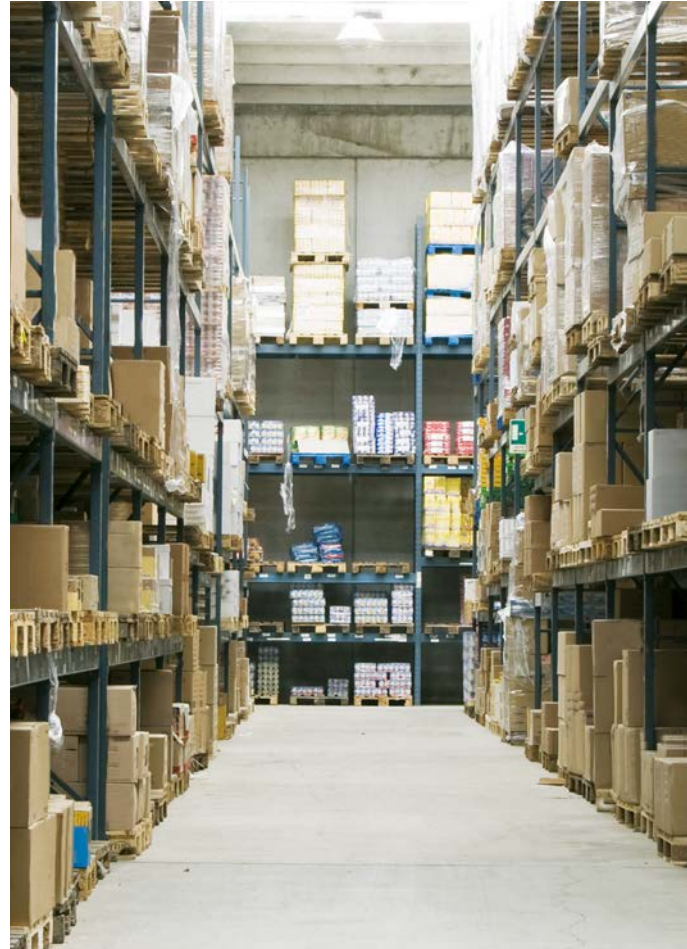
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01

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02

Designed to perform
Installation Products business line

Thomas & Betts is now ABB Installation Products business line, but our long legacy of quality products and innovation remains the same. From connectors that help wire buildings on Earth to cable ties that help put machines in space, we continue to work every day to make, market, design and sell products that provide a smarter, safer and more reliable flow of electricity, from source to socket.

Wire and cable management
- Industry's broadest range of innovative solutions for bundling, securing and routing wire and cable
- Designed to perform in the most demanding conditions
- Overview in fastening, bundling and managing wires
- For electrical installers, panel builders, OEM professionals and many more

Connectivity and grounding
- Covering IEC/EN, NFC, UL and NFPA projects
- Reliable and high quality manufactured components
- Low installed costs through intelligent design
- Design services support and technical advice
- Protecting people, assets and electronical equipment

Boxes and fittings
- Highest quality, most versatile, innovative range of boxes, fittings and enclosures
- Comprehensive line of boxes – metallic/non-metallic, indoor/outdoor, weatherproof and floor
- Fast and flexible enclosure solutions
- Specified in the industrial, construction and utility markets.

Cable protection systems
- Unsurpassed protection for wire and cables in the most demanding applications
- Customized specific solutions – through innovation & material science expertise
- Conform all international certifications – such as IRIS and end user approvals
- Comprehensive support service – worldwide close to the customer
- Over 12.000 high performance products – for outdoor & indoor, static & dynamic

Medium voltage
- Intelligent control and reliable connection of electrical power
- Reducing maintenance, repair and operational costs in the field – overhead or underground
- Solid dielectric switchgear, solid dielectric reclosers, capacitor switches and controllers, air break switches, electric arc furnace switches, current-limiting fuses, fault current, indicators, underground cable accessories, overhead connectors, underground and network connectors, substation connectors, street lighting connectors
- Specified Industrial, construction and utility markets

ABB can help you manage inventory to levels that make sense for your company and your bottom line.
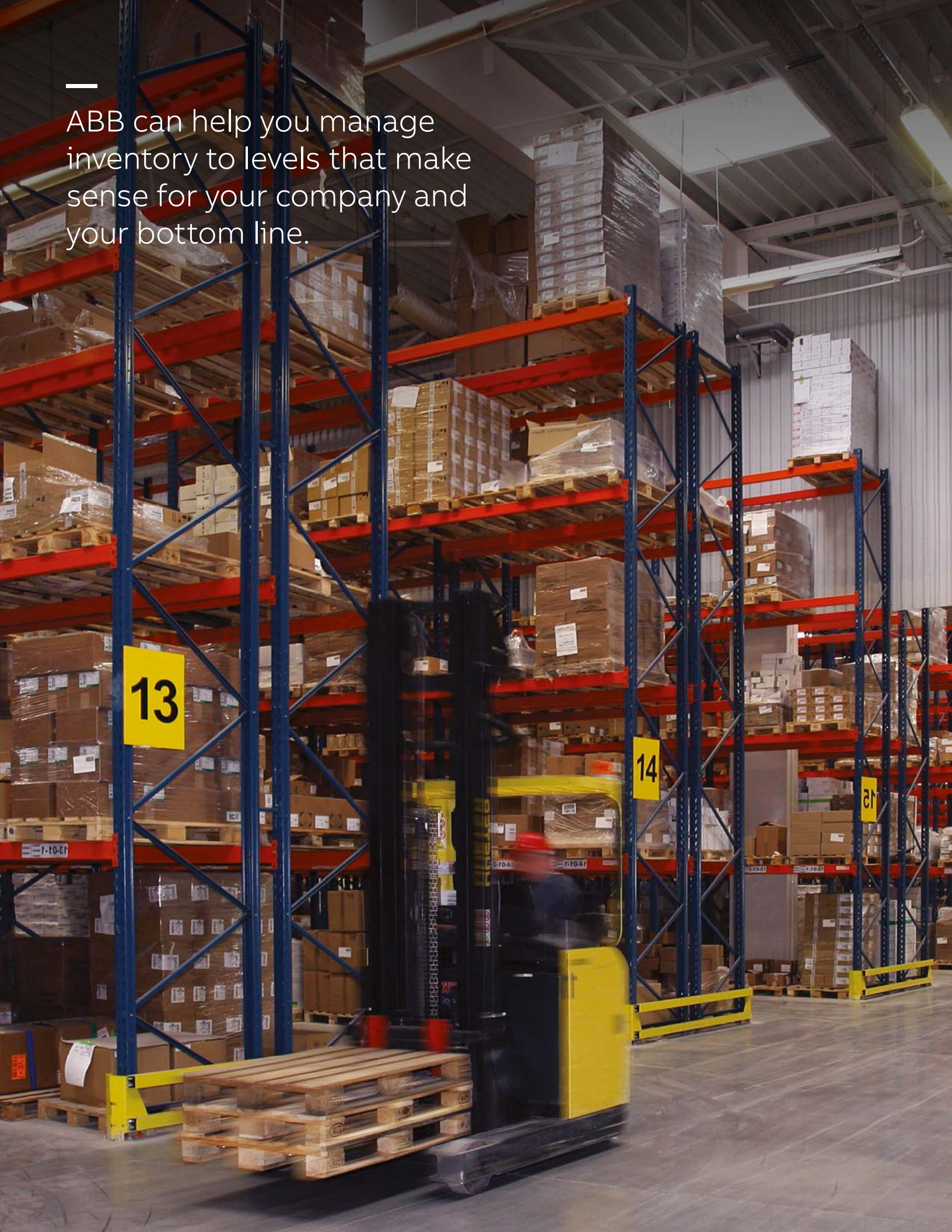
SKU Reduction solutions

T&B® Fittings

T&B® Fittings
LU® universal conduit elbow
- 4-to-1 SKU reduction – LU® replaces LL, LR, LB and C conduit bodies
- Functions as three elbows in one, going almost anywhere a 90° bend is required
- Radius is the same as the bent conduit
- Angles cover port – easier wire pulling and uses standard covers
- LU® Universal conduit elbow is available in BlueKote® and stainless steel versions for use in multiple applications, substantially reducing inventory costs
- UL® Listed as an enclosure – splices allowed inside the LU®
- Rated for 40% wire fill!

T&B® Fittings
Star Teck Extreme® Series
- The Star Teck Extreme® series of cable fittings are designed to accommodate a wider range of cables
- Reduce SKU needs versus utilizing competitive cable fittings

T&B® Fittings
- **Blackjack® grounding bushing**
- Designed for threaded and non-threaded conduits
- Ground lugs are designed to handle an extended range
- Number of parts in inventory is reduced by up to two-thirds without losing any application coverage

T&B® Fittings
Ranger® Liquidtight cord connectors
- Ranger® cord connectors allow for ¼" more range of cord providing an opportunity to reduce inventory
- Type 304 stainless steel construction for your harshest environments
- Superior corrosion resistance in washdown environments
- Available in non-metallic, steel, 304 stainless steel and aluminum materials

Blackburn®

Blackburn® Compression connectors

- Compression lugs accommodate both code and flex cable with the same lug
- Eliminate the need for additional SKUs to accommodate lugs for both cable types
- Featuring the Color-Keyed® Compression System that ensures proper connections

Blackburn® HEX-FLEX™ Crimp

- Upper die produces embossed hex crimp for easier verification and inspection
- Lower die indent crimp provides superior pull-out resistance
- Ideal for flex-cable applications including wind-power installations

—
SKU Reduction solutions

Steel City®

Steel City®
Adjustable mud rings

- Reduce the need to stock varying depths of skus
- Inner ring adjusts from ½" to 1½" depth
- Marked with a measured rule and equipped with two adjustment screws
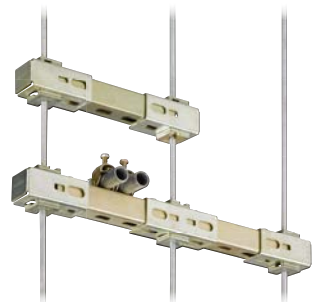
Adjustable Mud Ring Installation/Adjustment Steps:

—
01

Loosen…
The two adjustment screws located on opposing corners of the mud ring.

—
02

Adjust…
Inner ring to be flush with wall surface.

—
03

Re-tighten…
Adjustment screws.

Kindorf®

Kindorf® – Modular framing system

- The modularity of the Kindorf® system provides many opportunities for SKU reduction
- Channel system is designed so that the maximum number of support and framing applications can be constructed with a minimum amount of labor and pieces

HOMAC

Homac®
Universal quick-disconnect transformer connectors and substation connectors

- Universal stud-mount disconnectable transformer connectors accommodate ⅝" and 1" stud sizes, and straight bar space-saving configurations are available
- Bolted Substation Connectors accommodate a wide range of cable sizes utilizing reversible clamping caps

red●dot

Red Dot® – Code Keeper® non-metallic while-in-use cover

- Robust new hinge provides a sturdy cover attachment that is great for high-traffic areas
- Available in single- or two-gang configurations and standard or deep styles
- Keyhole mounts make it fast and easy to install – just loosen the existing device screws and slide the cover over
- Covers come with adapter plates and pre-adhered gaskets
- Lockable for security when not in use

Red Dot®
Universal flip-lid weatherproof cover

- Included adapter plates offer 12 installation options with single-gang cover and 25 installation options with two-gang cover
- Keyhole openings on back enable easy installation on an existing outlet
- Durable, die-cast zinc-alloy construction
- Suitable for use in wet locations with cover closed
- Lockable for security when not in use
- Preconfigured for GFCI – the industry's most common outdoor application

Installation Products for applications

APPLICATION BROCHURE

Installation Products
Continuous operation and sustainability

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
• Connectivity and grounding
• Medium voltage

01

APPLICATION BROCHURE

Installation Products
Corrosion and harsh environment protection

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
• Connectivity and grounding
• Medium voltage

02

APPLICATION BROCHURE

Installation Products
Safety and contamination

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
• Connectivity and grounding
• Medium voltage

03

APPLICATION BROCHURE

Installation Products
Emergency electrical solutions

• Easy-cleaning cable and outlet
  protection for wash-down areas
• Supporting and delivering power
  to temporary structures
• Cable bundling/fastening and
  identification components
• Temporary power systems

04

APPLICATION BROCHURE

Installation Products
Total project cost reduction

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
• Connectivity and grounding
• Medium voltage

05

APPLICATION BROCHURE

Installation Products
Liquid ingress protection

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
• Connectivity and grounding
• Medium voltage

06

APPLICATION BROCHURE

Installation Products
Extreme temperature protection

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
• Connectivity and grounding
• Medium voltage

07

APPLICATION BROCHURE

Installation Products
Grounding and bonding

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
• Connectivity and grounding
• Medium voltage

08

APPLICATION BROCHURE

Installation Products
SKU Reduction

Installation Products Division
• Wire and cable management
• Cable protection systems
• Boxes and fittings
• Connectivity and grounding
• Medium voltage

09

Installation Products for industries

ABB
INDUSTRY BROCHURE
Installation Products
Commercial and institutional buildings

01

ABB
INDUSTRY BROCHURE
Installation Products
Data centers

02

ABB
INDUSTRY LINE CARD
Installation Products
Food and beverage industry

03

ABB
INDUSTRY BROCHURE
Installation Products
Food and beverage industry - plant assessment

04

ABB
INDUSTRY BROCHURE
Installation Products
Utility industry

05

ABB
INDUSTRY BROCHURE
Installation Products
Power generation industry

06

ABB
INDUSTRY BROCHURE
Installation Products
Chemical industry

07

ABB
INDUSTRY BROCHURE
Installation Products
Oil and gas industry

08

ABB
INDUSTRY BROCHURE
Installation Products
Wind power industry

09

ABB
INDUSTRY BROCHURE
Installation Products
Renewable energy industry

10

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INDUSTRY BROCHURE
Installation Products
Water and wastewater treatment industry

11

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INDUSTRY BROCHURE
Installation Products
Single and multi-family housing industry

12

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INDUSTRY BROCHURE
Installation Products
Rail industry

13

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INDUSTRY BROCHURE
Installation Products
Civil infrastructure industry

14

ABB
INDUSTRY BROCHURE
Installation Products
Metals and mining industry
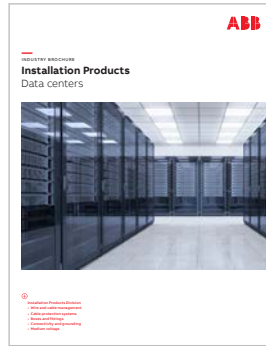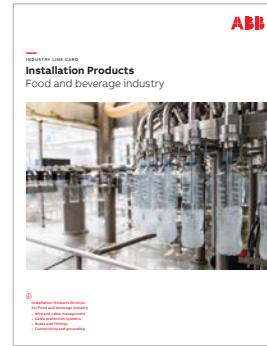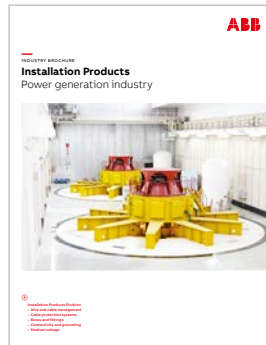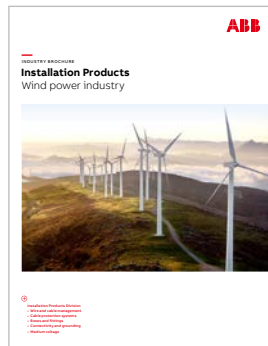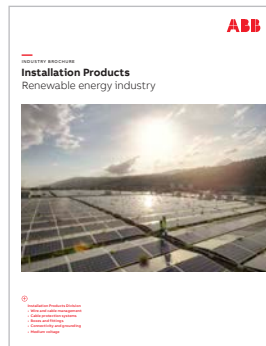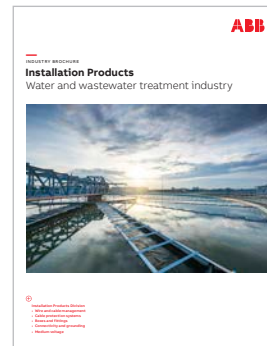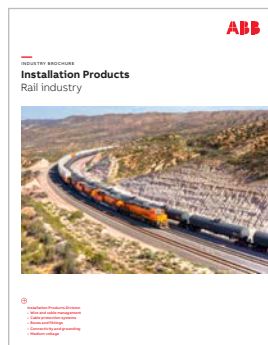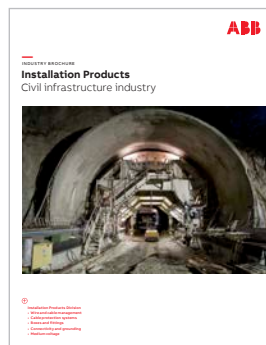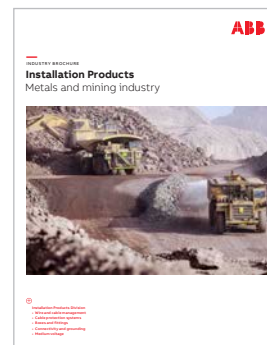
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