Distributed Motor Control Solutions

ArmorStart® Solutions For Your Light and Heavy Industrial Application Needs
ADVANTAGES OF:
ON-MACHINE™ ARCHITECTURE
OEMS – INCREASE PRODUCTIVITY
1. Help build more machines, faster
2. Improve top line, cash flow, lead-times and warranty costs
3. Help raise customer satisfaction with more consistent ship dates

END-USERS – IMPROVE OVERALL EQUIPMENT EFFECTIVENESS (OEE)
1. Excellent diagnostics with visible LEDs
2. Decrease mean time to repair (MTTR) with quick cable replacement
3. No enclosure to open or keep closed

ADVANTAGES OF:
ARMORSTART DISTRIBUTED MOTOR CONTROL
1. Reduce labor costs up to 30% with easy installation
2. Decrease wiring up to 20% with quick disconnect features
3. Seamless integration of information from plant to enterprise
4. Scalable and flexible configuration
• EtherNet/IP™ and DeviceNet available
• Device Level Ring (DLR) enabled
• DeviceLogix™ embedded
• Multiple programmable I/O
• Full-voltage and reverse starting
• Variable Frequency Drive (VFD)

Ideal Applications
• Light industrial conveyors
• Sortation systems
• Material handling
• Food and Beverage

Integration = More Productivity and Faster Builds

Scan this QR code with your smartphone to go to the ArmorStart family page.

Need a QR Code reader on your phone? Visit the App Store on your phone. Then point your phone’s camera at the QR code.

ArmorStart LT
ArmorStart
ArmorStart DeviceNet™ Safety

• EtherNet/IP and DeviceNet available
• Device Level Ring (DLR) enabled
• DeviceLogix embedded
• Full-voltage and reverse starting
• Sensorless Vector Control (VFD)

Ideal Applications
• Heavy industrial conveyors
• Baggage handling
• Food and Beverage
• Automotive

• Suitable for safety applications up to Safety Category 4 PL e
• Utilizes Guard I/O™ and GuardLogix® Solution
• Full-voltage and reverse starting
• Sensorless Vector Control (VFD)

Ideal Applications
• Safety applications
• Heavy industrial conveyors

Ideal Applications
• Heavy industrial conveyors
• Food and Beverage
• Automotive

Ideal Applications
• Safety applications
• Heavy industrial conveyors
ON-MACHINE ETHERNET/IP SOLUTION

Device Level Ring (DLR)

ControlLogix®

E-TAP  PanelView™ Component

ArmorBlock®

ArmorsStart LT

Network Connection

At-Motor Disconnect

Wiring Access Door

Power, Control, and Motor Connection

Status, Diagnostics, and Reset

Address Switches

Hand-Off - Auto (Option)

Dynamic Brake Connection (Option)

Source Brake Connection (Option)

 Bulletin 294 Pictured

 Bulletin 284 Pictured
PREMIER INTEGRATION
- Allows for faster response to changing environments
- Delivers information with enhanced control
- Easy access to parameter, status, and diagnostics
- Provides Premier Integration within the architecture

TRANSPARENT CLOCK
- Precision Time Protocol (IEEE 1588) Support
- Works within a distributed network of devices
- Synchronizes devices with varying performance characteristics

ArmorStart LT with EtherNet/IP delivers true embedded dual port switch technology, to support Linear or Device Level Ring (DLR) topology.

ADD-ON PROFILE (AOP)
- Quick and more efficient program development
- Automatic descriptive tag generation for status, diagnostics, and command information
- Help reduce mistakes and programming time
- Single software configuration
- User-friendly interface

DEVICELOGIX
- Standard feature at no additional cost
- Faster local I/O processing
- Helps improve control system performance
- Increase system reliability
- Increase system/machine modularity

EMBEDDED WEB SERVER SUPPORT
- Offers online status, diagnostic and parameter configuration anywhere
- Receive email notification for faults and warnings
- No special software required, just a standard Web browser
A COMPLETE ON-MACHINE SOLUTION

The ArmorStart family of distributed motor controllers is ideal for conveyor and material handling applications, capturing your need for controlling both light and heavy industrial solutions.

CONNECTING SOLUTIONS

ARMORCONNECT® CONTROL AND THREE-PHASE POWER MEDIA

- Plug and play power solution
- Connects multiple ArmorStart controllers
- Reduced installation time
- Reduced wiring errors

INDUSTRIAL ETHERNET MEDIA

- Seamless connectivity
- Field-attachable connections
- Patchcord sets available

* A single channel ESOP is pictured. It is necessary to perform a risk assessment and determine specific application requirements
“We were able to eliminate the complex wiring associated with the more traditional approach, saving us valuable time and cost in wiring the installation. The ArmorStart® is neatly tucked in underneath the conveyor thus providing a much cleaner looking system.”

– Polytron Inc.
ON-MACHINE ACCELERATOR

With these easy-to-use tools and templates, you can concentrate on developing the unique features of your On-Machine application – not on the routine tasks that add to overhead costs.

Scan this QR code with your smartphone to go to the On-Machine Accelerator family page.

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Rockwell Automation offers a breadth of quality Allen-Bradley® components to fit your specific needs. In order to assist you with your component selection, we offer a variety of configuration and selection tools.

Local Distributor
Call 1.800.223.3354 to contact your local Distributor today.
http://www.rockwellautomation.com/distributor/

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Our extensive product portfolio is designed to improve your processes through every stage of your manufacturing cycle.
http://www.rockwellautomation.com/products/

Product Selection Toolbox
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Catalogs
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http://www.ab.com/catalogs/

ON-MACHINE ACCELERATOR

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Rockwell Automation, Inc. (NYSE: ROK), the world’s largest company dedicated to industrial automation, makes its customers more productive and the world more sustainable. Throughout the world, our flagship Allen-Bradley® and Rockwell Software® product brands are recognized for innovation and excellence.

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